

SENTER FOR GRUNNFORSKNING  
CENTRE FOR ADVANCED STUDY

ÅRSMELDING 2015



# Senter for grunnforskning ved det Norske Videnskaps-Akademi

Centre for Advanced Study at the Norwegian Academy of Science and Letters

## ÅRSMELDING 2015

Senter for grunnforskning (CAS) er en stiftelse opprettet av Det Norske Videnskaps-Akademi i 1989, med virksomhet fra 1992. Senteret leier lokaler i Vitenskapsakademiets hus i Drammensveien 78, Oslo.

Hvert akademiske år er Senteret vertskap for tre internasjonale forskergrupper som representerer henholdsvis humaniora, samfunnsfag og naturvitenskap, og som arbeider med problemer innenfor grunnforskning. På grunnlag av innkomne forslag velges gruppene ut av styret i CAS etter at gruppeledere, foreslåtte internasjonale samarbeidspartnere og prosjektene har vært gjennom en omfattende internasjonal vurdering.

### 1. SENTERETS FORMÅL

Senterets formål er å fremme norsk grunnforskning på høyeste faglige nivå, innenfor humaniora/teologi, samfunnsvitenskap/jus, og naturvitenskap/medisin/matematikk.

Senteret skal virke som en nasjonal institusjon og sørge for nært faglig samarbeide mellom norske og utenlandske forskere. I tillegg til å gi ledende norske forskere best mulig arbeidsbetingelser, er målet å legge forholdene til rette for samarbeid mellom norske og internasjonale forskningsmiljøer. Hensikten er å bidra til å styrke norsk grunnforskning gjennom økt internasjonalisering.

Vedtekter for organisasjon er vedlagt årsmeldingen.

### 2. SENTERETS STYRE

Senteret ledes av et styre på seks medlemmer og varamedlemmer. Styret er organisasjonens øverste organ. Styrets sammensetning er regulert i vedtektenes § 4 og oppnevnes av Det Norske Videnskaps-Akademi (DNVA), Universitets- og høgskolerådet (UHR) og Staten, ved Norges forskningsråd (NFR).

*I 2015 var styret sammensatt av følgende medlemmer (oppnevnte institusjon i parentes):*

Professor Geir Ellingsrud, Universitetet i Oslo, Styreleder	(DNVA)
Rektor Mari Sundli Tveit, NMBU, Nestleder	(UHR)
Professor Ottar Hellevik, Universitetet i Oslo	(DNVA)
Professor Lena Liepe, Universitetet i Oslo	(DNVA)
Professor Nina Gunnerud Berg, NTNU	(UHR)
Professor Marit Halvorsen, Universitetet i Oslo	(NFR)

Observatør for DNVA på Senterets styremøter i 2015 var generalsekretær professor Øivind

Andersen, bortsett fra på ett møte hvor preses professor Kirsti Strøm Bull stilte.

*Varamedlemmer:*

Professor Tone Tønjum, Universitetet i Oslo	(DNVA; vara for Ellingsrud)
Rektor Dag Rune Olsen, Universitetet i Bergen	(UHR; vara for Sundli Tveit)
Professor Kenneth Ruud, Universitetet i Tromsø	(DNVA; vara for Hellevik)
Professor Øystein Elgarøy, Universitetet i Oslo	(DNVA; vara for Liepe)
Professor Bjørn Hjertager, UIS	(UHR; vara for Gunnerud Berg)
Professor Håkon With Andersen, NTNU	(NFR; vara for Halvorsen)

Styret avholdt fire styremøter i 2015. Følgende hovedsaker ble behandlet:

- Valg av forskergrupper for 2017/2018
- Regnskap 2014 - Styrets årsmelding 2014
- Budsjett 2015 - halvårsregnskap 2015
- Søknad om midler fra Kunnskapsdepartementet 2016
- Forvaltning av Driftsfondet
- Arbeid for å styrke profilen til CAS
- Endring av senterets søknadsbehandling
- Oppstart av prosessen med å finne frem til forskergrupper for 2018/2019
- Senterets nettpublikasjon – *Årsmelding 2014*
- HMS-arbeid
- Vedlikehold/oppussing av senterets lokaler
- Ansettelse av ny førstetekonsulent i senterets administrasjon, Karoline Kvellestad Isaksen, som erstatter Marit F. Strøm som gikk av med pensjon 1.1.2016.
- Fremdrift/planlegging av forskergruppene for 2015/2016 og 2016/2017

### **3. SENTERETS SAMARBEIDSPARTNERE**

Senteret hadde ved utgangen av 2015 ti samarbeidspartnere:

Universitetet i Oslo (UiO)  
Universitetet i Bergen (UiB)  
Universitetet i Tromsø (UiT)  
Norges teknisk-naturvitenskapelige universitet, Trondheim (NTNU)  
Universitetet i Stavanger (UiS)  
Norges miljø- og biovitenskapelige universitet (NMBU)  
Universitetet i Agder (UiA)  
Norges Handelshøyskole (NHH)  
Handelshøyskolen BI, Oslo  
Det teologiske Menighetsfakultet (MF)

Det er inngått samarbeidsavtaler med hver av disse institusjonene. Avtalene innebærer et vesentlig bidrag til CAS' økonomi ved at ansatte fra partnerinstitusjoner beholder sin lønn under oppholdet ved CAS, samtidig som oppholdet regnes som ekstraordinær

forskningstermin for den enkelte forsker.

For hver av samarbeidspartnerne er det opprettet egne kontaktutvalg, som oftest er disse identiske med det sentrale forskningsutvalget e.l. ved vedkommende institusjon. Det er løpende kontakt mellom CAS og kontaktutvalgene i 2015.

#### **4. ADMINISTRASJON OG DRIFT**

Vitenskapelig leder (åremålsstilling) er faglig administrativ leder og har forskning som en del av sine arbeidsoppgaver. Administrasjonen forbereder saker for styret og sørger for at styrets vedtak blir gjennomført. Administrasjonen står for den daglige drift ved Senteret.

##### **Personale**

*Senterets administrasjon består av 5 ansatte:*

Vitenskapelig leder, professor Vigdis Broch-Due

Kontorsjef Maria M. L. Sætre

Rådgiver Rune Flaten

Førstekonsulent Maria Rundhaugen Tesaker

Seniorkonsulent Marit Finnemyhr Strøm (til 31.12.2015)

Førstekonsulent Karoline Kvellestad Isaksen (fra 1.10.2015; tar over etter Finnemyhr Strøm)

Administrasjonen har ukentlige møter hvor alle saker av betydning for den løpende virksomheten drøftes og planlegges.

##### **IT-tjenester**

Dag Christian Bjørnsen ved Universitetets senter for informasjonsteknologi (USIT) har vært ansvarlig for drift av dataanlegget og assistanse til forskerne en og en halv ukedag, samt på heltid fra 17. august til 11. september.

##### **Arbeidsmiljø**

Det fysiske arbeidsmiljøet er stort sett tilfredsstillende. Senteret har begrenset kontorplass, utnyttelsesgraden av tilgjengelige arbeidsplasser er høy. For utenlandske gjesteforskere formidles legehjelp i tilfelle sykdom eller skader. I 2015 er arbeidet med brannsikringstiltak videreført, og det er lagt vekt på brannøvelser og informasjon til alle.

Senteret har en meget liten administrasjon sammenlignet med tilsvarende utenlandske sentre. Det er en utfordring å dekke mangfoldet av arbeidsoppgaver. Sykefraværet er lavt. Kvinneandelen i administrasjonen utgjorde 83 % ved utgangen av 2015; kvinneandelen i styret utgjorde 67 % (inkluderes varamedlemmene, er kvinneandelen 42 %).

##### **Miljørapportering**

Senterets virksomhet forurenses ikke det ytre miljøet.

## Sosiale tiltak

Det er en del av Senterets profil å kombinere den faglige aktiviteten med sosiale tiltak. Organiseringen av forskningsaktiviteten i grupper medfører at samtlige gjesteforskere ledes inn i et tett faglig miljø. Daglig felles lunsj i Tårnværelset bidrar til et godt sosialt miljø og skaper kontakt på tvers av forskningsdisiplinene. En mottagelse for forskerne markerer forskningsårets åpning i august, og det arrangeres fellesarrangement ved jul- og sommeravslutning. I løpet av høst- og/eller vårsemesteret gjennomføres felles dagsutflukter i østlandsområdet. Administrasjonen tilrettelegger for skoleplass for barn av tilreisende gjesteforskere, formidler kontakt med legetjeneste etc.

## 5. FORSKERGRUPPER OG FAGLIG AKTIVITET

De tre gruppene som startet sitt arbeid høsten 2014 og videreførte det våren 2015, arbeidet med følgende temaer:

- **Stochastics in environmental and financial economics (SEFE)**  
ved professorene Fred Espen Benth og Giulia Di Nunno, UiO
- **Globalisering og lokal dynamikk i det før-moderne Nære Østen**  
ved professor Terje Stordalen, UiO
- **Arverettens forutsetninger og handlingsrom: Strategier, relasjoner og historisk utvikling ca. 1100 – 2020**, ved professor Lars Ivar Hansen, UiT

For presentasjon av prosjektene, den faglige aktiviteten, seminarer og konferanser, samt foreløpige resultater/publikasjoner, se gruppenes rapport i denne årsmeldingen.

Forskergruppene 2015/2016 startet sitt arbeid i august 2015. Temaene for disse gruppene er:

- **Klimaeffekter i høstede bestander av store pattedyr**  
ved professorene Jon E. Swenson, NMBU og Atle Mysterud, CEES, UiO
- **Disclosing the Fabric of Reality - The Possibility of Metaphysics in the Age of Science**, ved professorene Frode Kjosavik, NMBU, og Camilla Serck-Hanssen, UiO
- **Arctic Domestication in the era of the Anthropocene**  
ved professor Marianne Elisabeth Lien, UiO

I august 2016 vil følgende grupper starte sitt arbeid i Senteret:

- **Flere komplekse variable og kompleks dynamikk**  
ved professorene Erlend Fornæss Wold, UiO, og Berit Stensønes, NTNU
- **I diskursens ettertid: Ting, arkeologi og kulturarv i det 21. århundre**  
ved professor Bjørnar Julius Olsen, UiT
- **Luftbåren: Forurensning, klimaendring og nye visjoner om bærekraft i Kina**  
ved professor Mette Halskov Hansen, UiO

Styret sluttbehandlet i juni 2015 nominasjonen av de forskergrupper som skal være ved Senteret i 2017/2018.

Antallet innkomne forslag var 31, hvilket var 3 færre enn året før. Etter to behandlinger i styret ble 8 forslag sendt til internasjonal fagfelle vurdering våren 2015. I alt ble det innhentet 24 evalueringsrapporter fra framstående internasjonale forskere. På dette grunnlag besluttet styret å invitere følgende forskergrupper til Senteret i 2017/2018:

- **Molecules in Extreme Environments (MXE)**  
ved professor Trygve Helgaker, UiO
- **SynSem: From Form to Meaning - Integrating Linguistics and Computing**  
ved professorene Dag Trygve Truslew Haug og Stephan Oepen, UiO
- **The Nordic “Civil Wars” in the High Middle Ages in a comparative perspective**  
ved professorene Jón Viðar Sigurðsson og Hans Jacob Orning, UiO

Høsten 2015 ble det sendt ut utlysning vedrørende forslag til forskergrupper for 2018/2019, med søknadsfrist 15. januar 2016.

## 6. ØKONOMI

### Senter for grunnforskning

Statsbevilgningen til Senteret for 2015 var på 19 480 000 kroner, en økning fra foregående år på 630 000 kr., dvs. 3,3 %. Økningen kompenserte for prisvekst og lønnsjusteringer.

Senteret har stilt 3,5 millioner kroner til disposisjon for hver av de tre forskergruppene. Budsjettet skal dekke generelle prosjektkostnader, per diem, frikjøp av utenlandske forskere, samt bolig-, reise-, konferanse- og seminarutgifter. Ettersom de felles løpende utgifter til drift, vedlikehold, leie av forskerleiligheter og sosiale tiltak er økende, kreves det økning i bevilgningene for at tilskuddet til hver gruppe kan opprettholdes på dagens nivå.

Ressursrammene har vært for knappe til at man kan hente inn et større antall ledende internasjonale forskere til Norge, noe som er et uttalt mål. For å kunne frikjøpe ettertraktede utenlandske forskere for lengre forskningsopphold, vil hver prosjektgruppe ha behov for en økning i disponible midler på rundt 500 000 kroner i forhold til dagens nivå. Det vil si at hver gruppe på sikt bør gis et budsjett med utgangspunkt i dagens kroneverdi på rundt 4 millioner kroner.

Universitetsavtalene representerer en viktig tilleggsfinansiering idet gjesteforskere fra de norske universitetene, NHH, MF og BI beholder lønn fra sine respektive hjemme-institusjoner i den perioden de er ved Senteret. Denne indirekte tilleggsfinansieringen representerte i 2015 rundt 5,5 årsverk. Oppholdet ved CAS regnes som ekstraordinær forskningstermin for den enkelte forsker.

Senterets resultatregnskap for 2015 viser et underskudd på driftsresultatet på kr. 1 135 505. Forskergruppene i 2015/2016 har dessuten overførbare øremerkede midler, til bruk i vårsemesteret 2016. Disse overføringene er et resultat av at det akademiske året ikke følger budsjettåret, og at gruppelederne selv velger hvor stor andel av totalbevilgningen som benyttes i henholdsvis høst- og vårsemesteret. Total ubenyttet saldo på gruppenes budsjett for høsten 2015 er 2 040 624. Beløpet legges til i forskergruppenes budsjett for våren 2016.

Balanseregnskapet viser en balanse på kr. 9 501 324. Av dette er kr. 3 371 913 kortsiktig gjeld.

Regnskapet for 2015 er satt opp etter forutsetning om fortsatt drift. Etter styrets oppfatning gir det fremlagte årsregnskap et rettviseende bilde av utviklingen og resultatet av virksomheten ved Senter for grunnforskning per 31.12.2015. Regnskapet er revidert av revisjonsfirmaet Nitschke A/S.

### **Driftsfondet ved Senter for grunnforskning**

I 1993 ble det etter oppfordring fra departementet opprettet et Driftsfond som har til formål å sikre den langsiktige driften av Senteret. CAS inngår forpliktende avtaler inntil tre år frem i tid, og Driftsfondet er etablert som en sikkerhet i forhold til disse langsiktige forpliktelsene. Fondet forvaltes av Senterets styre.

Driftsfondet består av en grunnkapital, som er urørlig, og disponible midler. Det har ikke vært brukt midler fra Driftsfondet i 2015. Netto finansinntekter i 2015 var kr. 363 528, og disse er tillagt fondet slik at Driftsfondets samlede kapital ved årets slutt er kr. 21 037 910.

Driftsregnskapet for 2015 er satt opp etter forutsetning om fortsatt drift. Etter styrets oppfatning gir det fremlagte årsregnskap et rettviseende bilde av utviklingen og resultatet av virksomheten i Driftsfondet for Senter for grunnforskning per 31.12.2015. Regnskapene er revidert av revisjonsfirmaet Nitschke A/S.

Driftsfondet har ingen ansatte. Virksomheten forurenser ikke det ytre miljøet.

## **7. RESULTATER**

### **Forskningsaktiviteten**

Forskningsaktiviteten ved Senteret har vært meget tilfredsstillende gjennom året. Gruppene gir selv meget gode tilbakemeldinger på oppholdet og arbeidsmulighetene ved CAS.

I løpet av 2015 har 55 forskere arbeidet i Senterets 6 prosjekter. Av disse har 42 hatt lengre opphold ved Senteret. Det internasjonale innslaget har vært stort. Totalt har 38 forskningsinstitusjoner fra 12 land (Norge, Spania, Italia, Frankrike, Tyskland, England, USA, Nederland, Danmark, Island, Sverige, Finland) vært involvert i forskningsprosjektene ved CAS. Senteret var arbeidsplass for 7 doktor- og postdoktorgradstipendiater. I tillegg bidro et stort antall eksterne forskere med konferanse- og seminar deltakelse.

Konferanser/workshops med bred nasjonal og internasjonal deltakelse er en naturlig del av den faglige aktiviteten i gruppene. I 2015 ble det arrangert 23 konferanser/workshops av denne typen. Ukentlige interne arbeidsseminarer, gjerne med innbudte gjester, har i tillegg vært en del av det løpende arbeidet i gruppene. Flere av gruppene har planlagt oppfølgingskonferanser i kjølvannet av oppholdet ved CAS.

En rekke lunsjseminarer med tema av interesse på tvers av prosjektene er avholdt i samarbeid med gruppelederne.

Konferanser og seminarer kunngjøres på Senterets nettsider.

### **Publisering av forskningsresultater**

Den eksterne formidlingen av forskningsresultatene skjer gjennom de nasjonale og internasjonale publiseringskanaler som er aktuelle for hver av gruppene.

Publiseringsaktiviteten er gjennomgående høy og reflekterer det internasjonale nivå som aktiviteten ved CAS tilstreber.

Det akademiske året 2014/15 har allerede resultert i en rekke fagfellevurderte publikasjoner i form av internasjonale tidsskriftartikler og bøker. På grunn av lang trykningstid er det imidlertid ikke mulig å presentere fullstendig oversikt over resultatene av arbeidet i 2015 på det nåværende tidspunkt. Rapportene fra de tre forskergruppene i 2014/2015 viser at det foreløpige tallet på publikasjoner og/eller arbeider under bearbeiding allerede er oppe i 107, hvorav flere bøker.

Det daglige samarbeidet mellom norske og utenlandske forskere, samt foredrag som de utenlandske gjestene har holdt ved norske universiteter og andre akademiske fora, bidrar til internasjonaliseringen av norsk forskning og er et betydelig resultat i seg selv, se grupperapportene i denne årsmeldingen.

Sammenfattende må man si at aktiviteten ved CAS gjennom året vesentlig har bidratt til organisasjonens mål om å styrke og internasjonalisere den frie grunnforskningen i Norge.

Vitenskapelig leder har holdt diverse foredrag og publisert egen forskning i egnede kanaler.

## **8. MÅL FOR 2016**

- Arbeide for å utvikle sommeraktiviteter ved senteret spesielt rettet mot talentfulle unge forskere.
- Arbeide kontinuerlig for et optimalt arbeidsmiljø for forskerne som er tilknyttet CAS.
- Styrke kontakten med CAS' samarbeidspartnerne blant universiteter og høyskoler; holde kontakt med Kunnskapsdepartementet og fora for forskningspolitikk; være kontaktorgan for internasjonale søsterorganisasjoner.
- Lansere CAS' nye nettplattform våren 2016: Ny design og forbedret brukervennlighet, fokus på formidling av senterets forskning, samt publisering av aktuelt fagstoff og forskningspolitiske artikler.
- Utvide IT-tjenesten ved Senteret, blant annet ved å øke den datafaglige kompetansen i CAS' administrasjon.
- Senteret har en meget liten administrasjon. Evaluere og effektivisere administrasjonens arbeidsoppgaver kontinuerlig for å frigjøre tid til det daglige samarbeidet med forskerne.



Senter for grunnforskning, 8. februar 2016

  
Geir Ellingsrud, styreleder

  
Mari Sundli Tveit, nestleder

  
Ottar Hellevik

  
Lena Liepe

  
Marit Halvorsen

  
Nina Gunnerud Berg

Vedlegg:

1. Vedtekter, Senter for grunnforskning
2. 2014/2015-gruppenes sluttrapporter

# **VEDTEKTER FOR SENTER FOR GRUNNFORSKNING VED DET NORSKE VIDENSKAPS-AKADEMI**

Vedtatt på styremøtet i Det Norske Videnskaps-Akademi, 16. april 1998 og på styremøtet i Det norske universitetsråd, 2. juli 1998.

Endret: 10. september 1998, 5. september 2001, 21. februar 2011 og 5. juni 2013

## **§ 1 Senterets opprettelse**

Senter for grunnforskning ved Det Norske Videnskaps-Akademi i Oslo er en stiftelse opprettet av Det Norske Videnskaps-Akademi ved vedtak på fellesmøte 02.03.89. Stiftelsens internasjonale navn er Centre for Advanced Study, Oslo, forkortet CAS.

## **§ 2 Senterets formål**

Senterets formål er å fremme grunnforskning og tverrvitenskapelig teoretisk arbeid på høyeste faglig nivå.

Senteret skal gi anledning til uforstyrret arbeid med problemer som ikke behøver å gi kortsiktig avkastning. Senteret skal innby forskere ved universiteter, høyskoler og andre institusjoner til fulltids engasjement i original forskning.

Senteret skal virke som en nasjonal institusjon og skal innby forskere med henblikk på dette. Senteret skal også gi rammen for nært faglig samarbeide mellom norske og utenlandske forskere.

Senteret skal bidra til bred formidling av de resultater som frembringes.

Senteret tar sikte på varig virksomhet.

## **§ 3 Senterets grunnkapital**

Senterets grunnkapital er kr. 100.000,- ved Senterets opprettelse. Grunnkapitalen er urørlig. Minst en tiendedel av kapitalavkastningen skal årlig legges til grunnkapitalen.

## **§ 4 Senterets styre**

Senteret har et styre på seks medlemmer. Styrets leder og minst et annet av styrets medlemmer og deres varamedlemmer skal være medlemmer av Det Norske Videnskaps-Akademi.

Styret i Det Norske Videnskaps-Akademi og Universitets- og høyskolerådet utpeker hver to medlemmer med varamedlemmer til Senterets styret. Akademiet utpeker i forståelse med Universitets- og høyskolerådet ytterligere ett medlem som skal være styrets leder, samt dette medlems varamedlem. Ved stemmelikhet har lederen dobbeltstemme. Staten oppnevner styrets sjette medlem. Akademiet utpeker i forståelse med Universitets- og høyskolerådet ett av de øvrige medlemmer til nestleder i styret.

Styret skal settes sammen med henblikk på bredt kjennskap til de humanistiske, matematisk naturvitenskapelige og samfunnsvitenskapelige disipliner.

---

Styremedlemmene og varamedlemmene oppnevnes for et tidsrom av 4 (fire) år. Ved første gangs oppnevning, og om nødvendig senere, fravikes denne regel slik at det søkes oppnådd at et nytt medlem tiltrer styret hvert år.

Det Norske Videnskaps-Akademis styre har adgang til å oppnevne et av sine medlemmer som observatør til styret i Senter for grunnforskning.

Akademiet og Universitets- og høgskolerådet mottar begge årsmelding og regnskap fra Senteret.

### **§ 5 Styrets oppgaver**

Styret er senterets øverste myndighet. Det skal treffe vedtak om innbydelse av forskere og sørge for en tilfredsstillende organisasjon av senterets virksomhet.

Styret skal forestå forvaltningen av senterets økonomi, og det har plikt til å påse at bokføring og formuesforvaltning er gjenstand for betryggende kontroll. Det inngår avtaler med bidragsytere.

Styret tilsetter den daglige leder og nødvendig hjelpepersonale.

Styrets leder skal sørge for at styret holder møter så ofte som nødvendig og minst en gang i kvartalet. Ethvert medlem av styret og den daglige leder kan kreve at styret sammenkalles.

### **§ 6 Senterets administrasjon**

Senteret skal ha en daglig leder i hel stilling. Lederen har ansvaret for senterets løpende virksomhet og for støttefunksjonene for senterets forskere.

Den daglige leder er styrets sekretær. Lederen skal forberede sakene for styret og sørge for at styrets vedtak blir gjennomført. Lederen har rett til å være til stede og uttale seg på styremøter, om styret ikke for det enkelte tilfelle bestemmer annet.

### **§ 7 Valg av gruppeledere og prosjekter**

Senteret innbyr hver høst ansatte i vitenskapelige stillinger ved partnerinstitusjonene til å foreslå kommende gruppeledere med forskningsprosjekter. De som foreslås skal være forskere som er fremstående og har en internasjonal posisjon innenfor sine fagfelt. Prosjektene skal ha en internasjonal profil ved at både innenlandske og utenlandske forskere foreslås som medarbeidere.

Styret forestår evalueringsprosessen som strekker seg over tre styremøter. I den avsluttende fasen skal prosjektene vurderes av både nasjonale og internasjonale fagkonsulenter.

Fortrinnsvis skal de nominerte prosjektene representere de tre fagområdene humaniora/teologi, samfunnsvitenskap/jus og naturvitenskap/medisin/matematikk. Dersom styret finner at kvaliteten på de foreslåtte prosjektene et år ikke holder samme mål innenfor alle tre fagområder, kan styret beslutte at et av fagområdene skal tildeles to prosjekter samme år. En annen mulighet er at et utpreget tverrfaglig/interfakultært prosjekt av høy kvalitet blir nominert som ett av tre.

### **§ 8 Senterets virksomhet**

Senterets virksomhet er det vitenskapelige arbeidet som utføres av de innbudte forskerne. Forskningsaktiviteten ved Senteret foregår i prosjektgrupper. Faggruppens publikasjoner og vitenskapelige virksomhet registreres og offentliggjøres gjennom Senterets rapporter.

---

Senteret kan årlig innby 6-8 forskere pr. gruppe til langtidsopphold; gruppeleder foreslår selv medlemmer til sin prosjektgruppe. I de tilfeller der det viser seg vanskelig å få til langtidsopphold for samtlige forskere, kan gruppesammensetningen veksle over tid, dog slik at det for hver gruppe opprettholdes en nasjonal og internasjonal kjernegruppe av forskere med langtidsopphold.

Forskerne skal ha de beste arbeidsvilkår for fordypelse og konsentrerte studier. De skal fritas for administrasjon, undervisning og øvrige forpliktelser ut over nødvendig veiledningsplikt ved eget institutt. Vanligvis forutsettes forskerne å ha permisjon fra sine faste stillinger, jfr. samarbeidsavtalene med partnerinstitusjonene.

### **§ 9 Senterets arbeidssted**

Senterets arbeidssted er Det Norske Videnskaps-Akademi, Drammensveien 78, 0271 Oslo.

### **§ 10 Senterets opphør**

Senterets virksomhet kan besluttes nedlagt dersom den ikke lar seg opprettholde i samsvar med formålet.

En vesentlig reduksjon eller full nedleggelse av virksomheten krever vedtak som for endring av vedtektene.

For opphevelse av stiftelsen gjelder samme krav til vedtaket. Hvis stiftelsen oppheves, skal dens grunnkapital med renter og dens eiendeler tilfalle en institusjon som driver vitenskapelig forskning som tilfredstiller vilkårene i skattelovens § 44, 5 -ledd. Institusjonen utpekes av Det Norske Videnskaps-Akademi.

### **§ 11 Endring av vedtektene**

Endring av disse vedtekter krever tilslutning av to tredjedeler av styret i Det Norske Videnskaps-Akademi og Universitets- og høyskolerådet.

---

# Project title: Stochastics in Environmental and Financial Economics – SEFE

---

Report by Fred Espen Benth and Giulia Di Nunno  
Group leaders 2014/2015  
21 September 2015

## 1. General Description

Norway is a country rich in natural resources. Wind, rain and snow provide us with a huge resource for clean energy production, while oil and gas have since the early 70ties contributed significantly to our economic wealth. Nowadays the income from oil and gas exploitation is invested in the world's financial markets to ensure the welfare of future generations. With global concerns about our climate, renewable resources for power generation become more and more important. Bad management of these resources will be a waste that is “cheap” to avoid given the right tools. These are the motivations behind the research in the group Stochastics for Environmental and Financial Economics (SEFE).

The focus of the SEFE group was on analysis and management of risk in the environmental and financial economics. We proposed and studied new mathematical models for describing the uncertain dynamics in time and space of weather factors like wind and temperature, along with sophisticated models for pricing in energy, commodity and more conventional financial markets. Given such models, which naturally are formulated in the language of stochastic analysis, we analyzed problems of risk management developing new methods for optimal stochastic control theory.

## 2. Participants and research activities

The project promoted collaboration and interaction between experts in stochastic analysis, infinite dimensional analysis, financial modelling, and numerical methods, who were fellows or guests within the project. Four meetings were organized during the academic year, two large conferences and two workshops, aimed at enlarging the awareness of the frontiers of research in the area, promote interchange of knowledge, present the research results, outreach to the community of practitioners in the area of financial/energy modelling and the enlarged mathematical community. In addition the SEFE group has taken part to a large European conference held in September in Lausanne on Advanced Mathematical Methods for Finance, where the group organized two special sessions.

*List of all participating fellows:*

- Fred Espen Benth, professor, University of Oslo, Norway [group leader]
- Giulia Di Nunno, professor, University of Oslo, Norway [group leader]
- Sara Biagini, assistant professor, University of Pisa, Italy.
- Jocelyne Bion-Nadal, professor, Ecole Polytechnique, University of Paris, France
- Jose Manuel Corcuera, professor, University of Barcelona, Spain

- Michael Coulon, lecturer, University of Sussex, UK
- Asma Khedher, post doc, Technical University of Munich, Germany
- Rudiger Kiesel, professor, University of Duisburg-Essen, Germany
- Salvador Ortiz-Latorre, post doc, University of Oslo, Norway
- Francesco Russo, professor ENSTA Paris Tech, France
- Barbara Rudiger-Mastandrea, professor, University of Wuppertal, Germany
- Andre Suss, post doc, University of Barcelona, Spain
- Michele Vanmaele, professor, Ghent University, Belgium
- Josep Vives, professor, University of Barcelona, Spain
- Bernt Øksendal, professor, University of Oslo, Norway

*Short-term visits:* Nagira Agram (U. Med Khider , Biskra), Francesco Cordonì (Trento), Luca Di Persio (Verona), Heidar Eyjolfsson (Bergen), Paul Kruhner (Vienna), Yuliya Mishura (Kiev), Florentina Paraschiv (St. Gallen), Jan Pedersen (Århus), Arturo Valdivia (Barcelona), Tusheng Zhang (Manchester)

One of the important aspects of our CAS project was to promote women in mathematics. 5 (out of 13) CAS-fellows were women in the SEFE project and approximately one-third of the plenary speakers of the two main conferences were women.

### **3. Colloquia, workshops, seminars and excursions**

#### **3.1. Discussions**

The SEFE group held regular mathematical discussions in small subgroups related to the different subprojects. Such meetings were informally kept and hosted within the CAS facilities: seminar room and sitting rooms.

#### **3.2. Luncheon seminars, CAS**

1. 15 October 2014: Professor José Manuel Corcuera: A soft tour around Stochastics In Environmental and Financial Economics (SEFE).
2. 4 March 2015: Professor Bernt Øksendal; The value of information in stochastic control and finance

#### **3.3. Guest lectures held by members of the group externally**

1. FE Benth: Two-day course for Stakraft at Holmen Fjordhotel, 27-28 August 2014
2. FE Benth: Two-day course for Marcus Evans in London, 12-13 November, 2014.
3. FE Benth: Two-day course for Danske Commodities in Århus, 3-4 February, 2015
4. FE Benth: Two-day course for Energy Expert Network in Stockholm, 12-13 March 2015.
5. FE Benth. Plenary talk at the MathFinance Conference, Frankfurt 24 March 2015: “Stationarity and risk premia in power markets”
6. FE Benth. Seminar talk at ETH Zurich, 7 May 2015. “Stochastic volatility in power forward markets”
7. FE Benth. Plenary talk at the Conference celebrating Ole Barndorff-Nielsen’s 80<sup>th</sup> anniversary. Århus, 19 June 2015. “Representation of ambit fields”
8. J. Bion-Nadal. Invited talk at Nomura Seminar, Oxford on January 29, 2015.

9. J. Bion-Nadal. Seminar talk at University Paris 13 in the series "Seminaires de probabilites et statistiques" on May 6, 2015
10. J.M. Corcuera. Speaker at the Workshop on Statistical Inference for Levy Processes, Lorentz Center, Leiden, September 25, 2014. "Some applications of Malliavin Calculus in Statistical Inference".
11. J.M. Corcuera. Speaker at the Ninth Bachelier Colloquium, Metabief (France). 12th January 2015. "CoCos with Extension Risk. A Structural Approach"
12. J.M. Corcuera. Invited talk at the conference Kyle-Back Equilibrium models, IHP, Paris. April 2015. "On the behavior of the price impact in the Kyle-Back model".
13. J.M. Corcuera. Plenary talk at the Aarhus Conference on Probability, Statistics and their Applications, Aarhus, 17th June 2015. "Pricing CoCos with a market trigger".
14. G. DiNunno. Plenary talk at the SAMSAs conference, Victoria Falls, November 24-28, 2014: "A continuous auction model with insiders and information release".
15. G. DiNunno. Intensive lectures at NHH Bergen "Stochastic Analysis with Applications in Economics"
16. G. DiNunno. Plenary talk at the Conference celebrating Ole Barndorff-Nielsen's 80<sup>th</sup> anniversary. Århus, 15-19 June 2015. "Convex price systems: no-good-deal bounds and risk indifference"
17. R. Kiesel. Invited talk at the 55th Meeting of the EWGCFM2015, Ankara, 14-16 May 2015. "Challenges in the European Electricity Markets"
18. R. Kiesel. Speaker at the workshop on Commodity Markets and their Financialization, IPAM, UCLA, May 4-8, 2015, "A Structural Model for Coupled Electricity Markets"
1. B. Øksendal. 25-29 August 2014: Invited talk at the Conference in Honour of M. Fukushima, Osaka, Japan.
2. B. Øksendal. 3 -7 November 2014: Invited minicourse (8 lectures plus exercises) in mathematical finance at the University of Tunis El Manar.
3. B. Øksendal. 24-28 November 2014: Invited talk at the SAMSAs Conference in Victoria Falls, Zimbabwe.
4. B. Øksendal 5-6 February 2015: Invited talk at the Mathematics & Insurance Conference in Brussels, Belgium.
5. B. Øksendal. 16 -20 March 2015: Two invited talks at the University of Madrid, Spain.
6. B. Øksendal. 5-19 June 2015: Invited talk at the Conference in Honour of Ole Barndorff-Nielsen, Aarhus, Denmark.
7. S. Ortiz-Latorre, Interdisciplinary Workshop on Quantitative Finance. Centre de Recerca Matemàtica, Bellaterra, Spain. (25-26 June 2015). "A change of measure preserving the affine structure in the BNS model for commodity markets."
8. S. Ortiz-Latorre. Workshop on Tempo-Spatial Stochastic Processes and Stochastic Volatility. Imperial College London, London, United Kingdom. (23-24 February, 2015). "A change of measure preserving the affine structure in the BNS model for commodity markets".
9. A. Suess. Seminar talk: "Approaches for Absolute Continuity of Random Variables with an Application to SPDEs", 25.11.2014 Aarhus University.
10. A. Suess. Seminar talk: "Non-Malliavin methods for the absolute continuity of random variables", 15.12.2015 University of Dortmund.
11. J.Vives. Invited talk at the Conference Stochastic Analysis and Applications, December 17 and 18, 2014, Academia de Studii Economice din Bucuresti, in Bucharest: "Decomposition of the pricing formula for stochastic volatility models based on Malliavin – Skorohod type calculus".

### 3.4. Workshops

**1. 27-28 October 2014: Workshop on "Stochastics and Risk for Energy Markets". Venue: Academy of Sciences, Oslo**

The two-day workshop consisted of an intensive course on energy markets provided by Professor Rudiger Kiesel from University of Essen-Duisburg, as well as several invited talks. The workshop aimed at bringing together practitioners from the energy and finance industry with researchers from academia.

Invited speakers: Rene Aid (EDF R&D, France), Mark Cummins (Dublin City University, Ireland), Andre Damslora, (Statkraft, Norway), Valery Kholodnyi (Verbund Trading, Austria).

Organizers: FE. Benth and G. DiNunno

**2. 10-11 April 2015: SEFE and the EMS-CDC meeting. Venue: Academy of Sciences, Oslo.**

Starting from the themes of environmental and energy finance and economics, the workshop has provided a platform for discussion on the challenges and the strategies for an even development of education and research in mathematics. SEFE has hosted the European Mathematical Society committee for developing countries to discuss these themes. The EMS is a learned society representing mathematicians throughout Europe. It promotes the development of all aspects of mathematics in Europe, in particular mathematical research, relations of mathematics to society, relations to European institutions, and mathematical education. The EMS members include around 60 national mathematical societies in Europe, 40 research centers and departments, and about 3000 individuals. In particular, the CDC is the committee promoting mathematics in less developed countries. It promotes the links with universities, centers, and institutions helping with the development of mathematics curricula, specially research oriented and with the enrichment of libraries. It is assisting with the formation of regional centers and networks.

The workshop featured presentations of: FE Benth (UiO), G. DiNunno (UiO), Antonella Zanna Munth-Kaas (Bergen), Bernt Øksendal (UiO), Francesco Pappalardi (Rome), Stefano Luzzatto (Trieste, ICTP), Wandera Ogana (video connection, U. Nairobi, International Mathematical Union), Claude Cibils (Montpellier and CIMPA director), Tsou Sheung Tsun (Oxford, CIMPA President), Pavel Exner (EMS, President), Michel Waldschmidt (Paris VI, Chair of the EMS-CDC).

The workshop was organized by FE. Benth and G. Di Nunno.

### 3.5. Conferences

**1. 15-19 September 2014: Conference on "Stochastics of Environmental and Financial Economics". Venue: Academy of Sciences, Oslo.**

This has been a kick-off conference and brought together leading researchers in the fields of stochastic analysis and finance to discuss the recent developments and challenges with an edge towards energy, environmental and financial markets.

The organizing committee consisted of FE Benth and G. DiNunno (UiO).

Invited speakers: Ole Barndorff-Nielsen (Århus), Jocelyne Bion-Nadal (Ecole Polytechnique, Paris), Jose Manuel Corcuera (Barcelona), Boualem Djehiche (KTH, Stockholm), Fausto Gozzi (Luiss University, Rome), Juri Hinz (UTS Sydney), Yaozhong Hu (Kansas), Jan Kallsen (Kiel), Asger Lunde (Århus), Bernt Øksendal (Oslo), Mark Podolskij (Århus), Barbara Ruediger (Wuppertal), Francesco Russo



(ENSTA ParisTech), Marta Sanz-Solé (Barcelona), Agnes Sulem (INRIA), Josef Teichmann (ETH Zurich), Michele Vanmaele (Gent), Almut Veraart (Imperial, London), Mihail Zervos (LSE, London).

The program included also contributed talks.

**2. 20-24 April 2015: Second conference on “Stochastics of Environmental and Financial Economics”. Venue: Academy of Sciences, Oslo**

This second conference was a follow up of the first one, with some focus in presenting the SEFE research results. In addition the conference as marked the scientific achievements of professor Bernt Øksendal on the occasion of his 70th anniversary: on Thursday April 23 the program of the conference had a special program of speakers. The organizing committee consisted of FE Benth and G. DiNunno (UiO).

Invited speakers: Knut Aase (NHH Bergen), Elisa Alos (University Pompeu Fabra, Barcelona), Andreas Basse O'Connor (Århus University), Francesca Biagini (LMU Munich), Michael Coulon (Sussex University), Albina Danilova (LSE London), Mark Davis (Imperial College London), Damir Filipovic (EPFL Lausanne), Hans Foellmer (Humboldt University Berlin), Yaozhong Hu (Kansas University), Saul Jacka (Warwick University), Ruediger Kiesel (University of Duisburg-Essen), Edward Lungu (University of Botswana), Arne Løkka (LSE London), Yuliya Mishura (University of Kiev), Bernt Øksendal (University of Oslo), Markus Riedle (King's College, London), Emanuela Rosazza Gianin (University Milano-Bicocca) Robert Stelzer (Ulm University), Agnes Sulem (INRIA Paris), Jan Ubøe (NHH Bergen), Josep Vives (University of Barcelona), Tusheng Zhang (Manchester University).

The program included also contributed talks and poster presentations.

**3. 7-10 September 2015: 7th General AMaMeF and Swissquote Conference. Venue: SwissTech Convention Center, EPFL, Switzerland.**

AMaMeF stands for Advanced Mathematical Methods in Finance. This is a European research network that was created in 2005 for the development of mathematics for finance. It organizes a general conference every two to three years.

The 7th general conference was supported by Swissquote, the Swiss Finance Institute, the ERC Starting Grant Agreement n.307465-POLYTE, and the **CAS Oslo**. The event features plenary talks, invited paper sessions, and contributed poster presentations in advanced mathematics for finance. It addresses academics and practitioners alike, and shall foster the interaction among individuals and across institutions.

General organizers: Giulia Di Nunno (UiO) and Damir Filipovic (EPFL).

Plenary speakers: Beatrice Acciaio (London School of Economics), Francesca Biagini (University of Munich), Rene Carmona (Princeton University), Darrell Duffie (Stanford University), Kay Giesecke (Stanford University), Jan Kallsen (University of Kiel), Constantinos Kardaras (London School of Economics), Alex Lipton (Bank of America and Oxford University), Chris Rogers (University of Cambridge), Alexander Schied (University of Mannheim)

The SEFE group (FE Benth and G. DiNunno) has organized 2 special sessions on the themes related to the project: “Random Fields and Stochastic Analysis” and “Energy Finance”. The speakers were: Salvador Ortiz-Latorre (UiO), Francesco Russo (ENSTA, ParisTech), Michele Vanmaele (Gent), Jocelyne Bion-Nadal (Ecole Polytechnique), Bernt Øksendal (UiO), Barbara Rudiger (Wuppertal).

This has been an occasion to present the project results and outreach the larger mathematical and practitioner community.

### 3.6. Media

1. Interview of F. E. Benth as research profile of the month in March, MatNat Faculty UiO: <http://www.mn.uio.no/forskning/aktuelt/profiler/fredespenbenth.html>
2. Popular science article in KLIMA, June 2015 by F.E. Benth “Forsikrer seg mot fornybar risiko” (in Norwegian). <http://cicero.uio.no/no/posts/klima/forsikrer-seg-mot-fornybar-risiko>
3. Uniforum: Matematikkprofessor Bernt Øksendal får UiOs forskningspris. <http://www.uniforum.uio.no/nyheter/2014/07/bernt-oksendal-far-uio-forskningpris.html>

## 4. Achievements and evaluation

- *Were your results as expected, or did your research take other directions than outlined in your project description?*

Our experience with research in mathematics is that any new problem that we study, typically leads to several new and challenging problems. This was the case during our CAS year as well. However, answers to these new problems shed light on the original ones in unexpected ways. For example, we developed some new mathematical models for cross-commodity markets using rather sophisticated random fields. The models came up as generalizations of the ones proposed in the research plan. These models open new questions concerning estimation and simulation, in order to be applicable in concrete market situations. We are following up these aspects in current research collaborations.

Another example comes from the need of pricing contracts in clearly incomplete markets where risks also come from exogenous environmental sources. We have adopted the so-called risk-indifference approach and we have developed techniques of stochastic analysis mixed with convex analysis to analyse the pricing systems. This led to new mathematical results that are now followed up into the application of financial pricing. Indeed this was in the original project description, but the research followed an unexpected line yielding to additional results.

- *Outline the most important results so far, and results to be presented in forthcoming publications.*

FE Benth, B Rudiger and A Suss developed a new class of stochastic volatility models for commodity and energy futures markets. These models allow for a more flexible and realistic description of the stochasticity along the various futures contracts on the term structure curve. Our approach calls for new developments in the direction of pricing and hedging derivatives. With P Kruhner (short-term CAS visitor), FE Benth developed mathematical theory for pricing and hedging derivatives on futures contracts in commodity markets. They also introduced a new cross-commodity model, significantly going beyond the proposed models in the research plan. To fit such random field models to actual markets, FE Benth has adopted the so-called kriging method to commodity markets. In a rather simplified framework, FE Benth (with external collaborator S Koekebakker, UiA) has shown how the econometric concept of co-integration works in commodity markets. Co-integration is a theoretical

framework for linking the stochastic dynamics of two or more assets. We demonstrate how co-integrated commodity spot markets impacts the futures markets, in particular, leading to a specific correlation term structure which has huge consequences on spread option pricing compared with the conventional co-integration theory.

G. DiNunno, J. Bion-Nadal studied risk-indifference pricing systems, that is the complex time dependent interaction of prices evaluated taking risk into account. This is an approach of pricing suitable to markets where risks have also exogenous environmental sources. Some other aspects of pricing under model risk have then been studied by G. DiNunno together with E.H. Karlsen (UiO).

On another side G. DiNunno together with J. Vives, F. Russo, and Y. Mishura have taken up the investigation of the model and random fields presented in the research project. One of the results obtained at present is an extension of the Malliavin calculus techniques beyond the classical setting of square integrable random variables. This is suitable for the application to models that have so-called large-tails, that is, a comparatively large probability of happening of extreme events. G. DiNunno, J.M. Corcuera, and B. Øksendal have studied the equilibrium of markets in presence of information flows released at specific and random times.

B. Øksendal together with N. Agram has worked in the management of risk developing a stochastic control for Volterra type equations, which are indeed models of the type presented in the research project. In doing this he used also techniques of Malliavin calculus. The studies continue in collaboration with A. Sulem to include application to large systems and network modelled by mean-field. Still in the direction of management of risk G. DiNunno, A. Khedher, and M. Vanmaele have analysed the robustness of hedging strategies to model risk.

- *How did your group work together during the CAS-year?*

We worked in different collaborating groups on various problems described in the research plan. While fellows were visiting, we had intensive meetings and colloquia, enjoying the facilities in the *Turrett* room. Some fellows came on visit more than once, enhancing an effective continuation of projects.

From a more social perspective, we had a daily coffee meeting after lunch. Here we discussed everything from skiing conditions in Nordmarka to the last mathematical developments in our scientific projects. These breaks created a loose atmosphere, were in fact also scientific ideas emerged. Frequent dinners out in the city also helped in gluing together the research group with the purpose of further enhancing the collaborations and creative spirit.

- *Why was a year at CAS important for this project? Describe the added value.*

The financial means and administrative support of CAS made it possible to attract some of the world-leading researchers to Oslo to work with us on mathematical challenges in stochastic analysis, finance, energy and weather. To collaborate with excellent scientists sharpens the mind, as well as bringing up new and original ideas and solutions. A targeted group of international collaborators, working as one group in Oslo, enabled us to make significant breakthroughs on the problems suggested in the research plan. In addition, we have a bundle of new challenges that we will continue studying in our collaborations.

- *Are there any plans for continuing the collaborations initiated during your stay at CAS?*

The year at CAS has initiated several collaborations, which will continue in future years.

F.E. Benth has on-going scientific projects with CAS fellows Jose Manuel Corcuera, Michael Coulon, Rudiger Kiesel, Barbara Rudiger, Andre Suss and Michele Vanmaele, all initiated at CAS. The projects are expected to result in scientific papers, on topics related to the research plan of SEFE. Further projects have been initiated with short-term visitor Paul Kruhner (Vienna) on random field models for energy markets, conference speaker Damir Filipovic (Lausanne) on polynomial processes in commodity markets and conference speaker Elisa Alos (Barcelona) on spread option pricing (joint with G. Di Nunno). All these research projects appeared as a result of discussions at CAS, either during the stay of the fellows or in connection with the international conferences we organized. FE Benth also spent significant amount of time writing on the research monograph on ambit stochastics, a project with O Barndorff-Nielsen (Århus) and A Veraart (Imperial College London). Ambit stochastics, that is, mathematical analysis of a class of random fields, were a main ingredient in the research plan. The book manuscript will be finalized during the autumn 2015.

In the same fashion G.DiNunno has ongoing collaboration with the CAS fellows Jocelyne Bion-Nadal, Jose Manuel Corcuera, Asma Khedher, B. Øksendal, Michele Vanmaele, Josep Vives following up projects that have started at CAS. Within the CAS year, G. DiNunno has also established new research collaborations with F. Russo and Y. Mishura and it was thanks to CAS generous funding that we could establish such connections by inviting those world-leading researchers. Also G.DiNunno has started collaboration with short term visitors Francesco Corridoni and Luca Di Persio on topics of models with memory and with the conference speaker Elisa Alos and Fred Espen Benth on the pricing of spread options. It is also important to mention that the two group leaders have potentiated their already long lasting collaboration identifying new questions that directly spin off the CAS project and that will be investigated in the coming years also involving new co-supervised PhD students.

## 5. Evaluation of CAS

- *How do you evaluate the CAS-concept?*

CAS is a unique institution in Norwegian science. Our group got access to a professional administrative staff, taking care of all practicalities with visitors and conferences. We were provided an excellent infrastructure, protecting precious research time from administrative burdens. The opportunity to gather a group of researchers in one place created a highly creative atmosphere, free from daily disturbances.

- *How do you evaluate the facilities at CAS?*

The CAS facilities are excellent. It is highly inspirational to be in the Academy. It is also an attractive aspect when inviting foreign researchers to stay in Oslo.

- *Suggestions for improvements?*

After such a year of intensive studies, of course there are new research challenges appearing that we would like to follow. It would be beneficial to have the opportunity to organize shorter visiting periods at CAS, with a smaller research group (maybe down to only two or three). In institutions like Oberwolfach in Germany, they have the concept of “Research in pairs”, where one could collaborate with a colleague for shorter periods. In connection with for example book writing, this could be a very good concept at CAS: access to the CAS administrative service, working in a “protected” environment, with all your time devoted to the book writing.

## 6. Publications

The list is presented in alphabetic ording after the first author. The names of the CAS fellows are in bold.

### 6.1. Published/In press/Accepted

#### Scientific articles and book chapters

Agram, N., and **B. Øksendal**. 2015. "Malliavin calculus and optimal control of stochastic Volterra equations". *J. Optim. Theory Appl.* (2015), DOI 10.1007/s10957-015-0753-5  
Preliminary version available at <http://arxiv.org/abs/1406.0325>

Alvarez, L., E.M. Lungu, and **B. Øksendal**. 2015. "Optimal multidimensional stochastic harvesting with density-dependent prices". *Afrika Matematika*. Accepted.  
Preliminary version available at <http://arxiv.org/abs/1406.7668>

**Benth, F.E.** 2015. "Kriging smooth energy futures curves". *Energy Risk*. February issue: 48-53.

**Benth, F.E.**, and P. Kruhner. 2015. "Derivatives pricing in energy markets: an infinite dimensional approach". *SIAM Journal of Financial Mathematics* Vol. 6(1): 825-869. Preprint version available on <http://arxiv.org/abs/1412.7943>

**Benth, F.E.**, and S. Koekebakker. 2014. "Pricing of forwards and other derivatives in cointegrated commodity markets". *To appear in Energy Economics*. Available on <http://ssrn.com/abstract=2515406>

**Benth, F.E.**, and H. Zdanowicz. 2014. "Pricing and hedging of energy spread options and volatility modulated Volterra processes". *To appear in International Journal of Theoretical and Applied Finance*. Available on <http://arxiv.org/abs/1409.5801>

**Corcuera, J.M.**, J. Fajardo, W. Schoutens, and A. Valdivia. 2015. "CoCos with Extension Risk. A Structural Approach". Book chapter in: *A fascinating Journey Through Probability, Statistics and Applications. In honour of Ole E. Barndorff-Nielsen's 80th Birthday*. Edited by M. Podolskij, R. Stelzer, S. Thorbjørnsen, and A. Veraart. Heidelberg, Germany: Springer Verlag. Accepted. Available at: [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2540625](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2540625)

**Di Nunno, G.**, **A. Khedher**, and **M. Vanmaele**. 2015. "Robustness of quadratic hedging strategies in finance via backward stochastic differential equations with jumps". *Applied Mathematics and Optimization*. (online first: January 7, 2015). Preprint version available at <http://link.springer.com/article/10.1007/s00245-014-9283-z>

**Di Nunno, G.**, and E.H. Karlsen. 2015. "Hedging under worst-case-scenario in a market driven by time-changed Lévy noises". Book chapter in *The fascination of Probability, Statistics and their Applications. In honour of Ole Barndorff-Nielsen on his 80th birthday*. Edited by M. Podolskij, R. Stelzer, S. Thorbjørnsen, and A. Veraart. Heidelberg, Germany: Springer Verlag. Preprint available at <http://arxiv.org/pdf/1503.00939.pdf>

Draouil, O., and **B. Øksendal**. 2015. "A Donsker delta functional approach to optimal insider

control and applications to finance”. Communications in Mathematics and Statistics (CIMS). Accepted. Preprint available at <http://arxiv.org/abs/1504.02581>

## Books

**Benth, F.E., and G. Di Nunno**, eds. 2015. *Stochastics for Environmental and Financial Economics*. Center of Advanced Studies, Oslo 2014-15. Heidelberg, Germany: Springer Verlag. In press. <http://www.springer.com/us/book/9783319234243>

This book features 14 chapters including the following book chapters:

Barndorff-Nielsen, O., E. Hedeveg, J. Schmiegel, and B. Szozda. 2015. “Some Recent Developments in Ambit Stochastics”. Book chapter in *Stochastic for Environmental and Financial Economics, Editors:*, Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press.

**Bion-Nadal, J.** 2015. “Dynamic Risk Measures and Path-Dependent Second Order PDEs”. Book chapter in *Stochastic for Environmental and Financial Economics, Editors:*, Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press.

**Corcuera, J.M.**, and A. Valdivia. 2015. “Pricing CoCos with a market trigger”. Book chapter in *Stochastics in Enviromental and Financial Mathematics*. Edited by F.E. Benth and G. Di Nunno. Springer. Available at [http://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=2567264](http://papers.ssrn.com/sol3/papers.cfm?abstract_id=2567264)

Cosso, A., and **F. Russo**. 2015. “Functional and Banach space stochastic calculi. Path-dependent Kolmogorov equations associated with the frame of a Brownian motion. Book chapter in *Stochastic for Environmental and Financial Economics, Editors:* Center of Germany: Springer Verlag. Accepted, in press

Daveloose, C., **A. Khedher**, and **M. Vanmaele**. 2015. "Quantification of model risk in quadratic hedging strategies in finance". Book chapter in *Stochastic for Environmental and Financial Economics, Editors:* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press.

Djehiche, B., and H. Tembine. 2015. “Risk-Sensitive Mean-Field Type Control under Partial Observation”. Book chapter in *Stochastic for Environmental and Financial Economics, Editors:* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press.

Falbo, P., J. Hinz, and C. Pelizzari. 2015. “Risk aversion in modeling of cap-and-trade mechanism and optimal design of emission markets”. Book chapter in *Stochastic for Environmental and Financial Economics, Editors:* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press.

Hu, Y., and K.N. Le. 2015. “Nonlinear Young integrals via fractional calculus”. Book chapter in *Stochastic for Environmental and Financial Economics, Editors:* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press.

**Øksendal, B.**, and A. Sulem. 2015. “Optimal control of predictive mean-field equations and

applications to finance”. Book chapter in *Stochastics of Environmental and Financial Economics* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press

Peng J., **B.Rüdiger**, and C.Trabelsi. 2015. “Exponential ergodicity of the jump-diffusion CIR process”. Book chapter in *Stochastics of Environmental and Financial Economics* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press.

Podolskij, M., and N. Thamrongrat. 2015. “A Weak Limit Theorem for Numerical Approximation of Brownian Semi-Stationary Processes”. Book chapter in *Stochastics of Environmental and Financial Economics* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press

Sanz-Solé, M., and **A. Suss**. 2015. “Non elliptic SPDEs and ambit fields: existence of densities”. Book chapter in *Stochastics of Environmental and Financial Economics* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press

Veraart, A. 2015. “Modelling the impact of wind power production on electricity prices by regime-switching Lévy semistationary processes”. Book chapter in *Stochastics of Environmental and Financial Economics* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press

Wen, Y., and **R. Kiesel**. 2015. “Pricing Options on EU ETS Certificates with a Time-Varying Market Price of Risk Model”. Book chapter in *Stochastics of Environmental and Financial Economics* Center of Advanced Studies, Oslo 2014-15. Edited by F.E. Benth and G. Di Nunno. Heidelberg, Germany: Springer Verlag. Accepted, in press

## 6.2. Submitted.

**Benth, F.E., and S. Ortiz-Latorre**. 2015. “Calibration of temperature futures by changing the mean reversion”. *Submitted manuscript March 2015*. Available on <http://ssrn.com/abstract=2581566>

**Benth, F.E., B Rudiger and A. Suss**. 2015. “Ornstein-Uhlenbeck processes in Hilbert space with non-Gaussian stochastic volatility”. *Submitted manuscript, June 2015*. Available on <http://arxiv.org/abs/1506.07245>

**Bion-Nadal, J., and G. Di Nunno**. 2014. “Representation of convex operators and their static and dynamic sandwich extensions”. *Submitted manuscript December 2014*. Available at <http://arxiv.org/pdf/1412.2030.pdf>

**Corcuera, J.M., G. Di Nunno, G. Farkas, and B. Øksendal**. 2014. “A continuous auction model with insiders and random time of information release”. *Submitted November 2014*. Available at <http://arxiv.org/pdf/1411.2835.pdf>

**Corcuera, J.M., and A. Valdivia**. 2015. “Cocos under short term uncertainty”. *Preprint 2015*.

Cosso, A. and **F. Russo**, 2015. “Functional Itô versus Banach space stochastic calculus and strict solutions of semilinear path-dependent equations”. Submitted. Preprint available at [http://uma.ensta-paristech.fr/files/publis/2200/2200-art-uma1571-ComparisonViscosityI\\_April2015Submitted.pdf](http://uma.ensta-paristech.fr/files/publis/2200/2200-art-uma1571-ComparisonViscosityI_April2015Submitted.pdf)

Cosso, A. and **F. Russo**. 2015. “Strong-viscosity solutions: semilinear parabolic PDEs and path-dependent PDEs”. *Submitted*. Available at: [http://uma.ensta-paristech.fr/files/publis/2200/2200-art-uma1572-ComparisonViscosityII\\_April2015Submitted.pdf](http://uma.ensta-paristech.fr/files/publis/2200/2200-art-uma1572-ComparisonViscosityII_April2015Submitted.pdf)

Dahl, K., and **B. Øksendal**. 2015. “Singular recursive utility”. *Submitted manuscript August 2015*. Available at <http://arxiv.org/abs/1504.087170>

Daveloose, C., **A. Khedher**, and **M. Vanmaele**. 2015. "Representations of conditional expectations with application to pricing and hedging of financial products in Lévy and jump-diffusion setting". *Submitted*. Available at <http://mediatum.ub.tum.de/doc/1237258/1237258.pdf>

**Di Nunno, G.**, and **J. Vives**. 2015. “A Malliavin-Skorohod calculus in  $L^0$  and  $L^1$  for additive and Volterra-type processes”. *Submitted manuscript February 2015*. Available at <http://arxiv.org/abs/1502.05631>

Draouil, O., and **B. Øksendal**. 2015. “Stochastic differential games with inside information” *Submitted manuscript September 2015*. Available at <http://arxiv.org/abs/1509.02952>

**Khedher, A.**, and **M. Vanmaele**. 2015. "Discretisation of FBSDEs driven by càdlàg martingales". *Submitted*. Available at <http://mediatum.ub.tum.de/doc/1247103/1247103.pdf>

Peng J., **B. Rüdiger** and C.Trabelsi, “Positive Harris recurrence and exponential ergodicity of the basic affine jump-diffusion”. *Submitted*. Available at <http://arxiv.org/pdf/1501.03638.pdf>

Sun, X., and **M. Vanmaele**. 2015. "Model-based and model-free bounds for Asian options". *Submitted*

**Vives, J.** 2015. “Decomposition of the pricing formula for stochastic volatility models based on Malliavin – Skorohod type calculus”. *Submitted* to Proceedings of the Research School CIMPA-UNESCO-MSER-MINECO-MOROCCO on Statistical Methods and Applications in Actuarial Science and Finance 2013.

### 6.3. In preparation.

#### Scientific articles and book chapters

Ascanelli, A., S. Coriasco, and **A. Suss**. 2015. “Solution theory to Hyperbolic Stochastic Partial Differential Equations with polynomially bounded Coefficients”. *In preparation*

Banos, D.R., **G. Di Nunno**, and F. Proske 2015. “Sensitivity analysis in a market with memory”. *Manuscript in preparation*.



Banos, D.R., F. Cordini, **G. Di Nunno**, L. Di Persio, and E. E. Røse. 2015. “Stochastic systems with memory and jumps”. *Manuscript in preparation*.

**Benth, F.E.**, and H. Eyjolfsson. 2015. “Representation and approximation of ambit fields in Hilbert space”. *Manuscript in preparation*.

**Bion-Nadal, J.**, and **G. Di Nunno**. 2015. “Fully dynamic convex pricing: no-good-deal and risk-indifference”. *Manuscript in preparation*.

**Bion-Nadal, J.** (2015): Martingale problem for integro-differential operators with path-dependent coefficients". *Manuscript in preparation*.

**Corcuera, J.M.**, **G. Di Nunno**, and **B. Øksendal**. 2015. “On the behavior of the price impact in the Kyle-Back model”. *Manuscript in preparation*.

**Corcuera, J.M.**, J. Fajardo, and O. Menoukeu Pamen. 2015. “On the optimal payoffs”. *Manuscript in preparation*.

Draouil, O., and **B. Øksendal**. 2015. “Optimal insider control and semimartingale decompositions under enlargement of filtration”. *Manuscript in preparation*.

**Kiesel, R.**, and F. Paraschiv. 2015. “Econometric analysis of 15-minute intraday electricity prices”. *Working paper*

**Øksendal, B.**, and E. Røse. 2015. “Applications of white noise to mathematical finance”. *Manuscript in preparation*.

**Ortiz-Latorre, S.** and D. Crisan, 2015. “A second order time discretization of the solution of the non-linear filtering problem.” *Manuscript in preparation*.

**Ortiz-Latorre, S.** 2015. “A second order particle approximation of the non-linear filtering problem”. *Manuscript in preparation*.

**Ortiz-Latorre, S.** 2015. “A partial Malliavin calculus approach to the second order time discretization of the non-linear filtering problem”. *Manuscript in preparation*

**Ortiz-Latorre, S.** 2015. “A new pricing measure for the BNS model with leverage for commodity markets”. *Manuscript in preparation*.

Sun, X., **A. Khedher**, T. Schulz, and **M. Vanmaele**. 2015. "Model risk and discretization of locally risk minimizing strategies". *Working paper*

**Suss, A.**, and M. Waurick. 2015. “A Solution theory for a general class of SPDEs”. *In preparation*

### **Special issue, editor activity**

**Benth, F.E.**, and **G. Di Nunno**, Eds. 2016. *Festschrift on the occasion of Bernt Øksendal's 70<sup>th</sup> anniversary. Special issue of the journal Stochastics*. *In preparation*. More than 15 papers submitted)

## Appendix

*List of all participating fellows:*

- Fred Espen Benth, professor, University of Oslo, Norway [group leader]
- Giulia Di Nunno, professor, University of Oslo, Norway [group leader]
- Sara Biagini, assistant professor, University of Pisa, Italy.
- Jocelyne Bion-Nadal, professor, Ecole Polytechnique, University of Paris, France
- Jose Manuel Corcuera, professor, University of Barcelona, Spain
- Michael Coulon, lecturer, University of Sussex, UK
- Asma Khedher, post doc, Technical University of Munich, Germany
- Rudiger Kiesel, professor, University of Duisburg-Essen, Germany
- Salvador Ortiz-Latorre, post doc, University of Oslo, Norway
- Francesco Russo, professor ENSTA Paris Tech, France
- Barbara Rudiger-Mastandrea, professor, University of Wuppertal, Germany
- Andre Suss, post doc, University of Barcelona, Spain
- Michele Vanmaele, professor, Ghent University, Belgium
- Josep Vives, professor, University of Barcelona, Spain
- Bernt Øksendal, professor, University of Oslo, Norway

# Final report

---

## Local Dynamics of Globalization in the Pre-Modern Levant

Report by Terje Stordalen  
Group leader 2014/2015

Date: 25 September 2015

### 1. General Description

The project *Local Dynamics of Globalization in the Pre-Modern Levant* (LDG) is a multi disciplinary attempt at understanding how the history and lasting character of the Levant is formed in the interplay between globalising and localising forces and processes that move at different paces and follow individual internal grammar. Their interplay and interaction not only made up the dynamics of the Levant, they also contributed to providing lasting characteristics of the region. LDG aims to identify relevant tools for describing and analysing these processes of interaction and change (or stability). We do that by focusing upon two different registers: 1) trans-local forces, based on complex social formations, headed by political and economic elites, etc. and 2) localising forces, based on basic or simple social formations, headed by traditional local elites, and so forth. As part of our strategy, we follow one site that has been occupied throughout our periods: Tall Hisban in Jordan. Its historical record serves as a heuristic comparison for our other case studies. These case studies are organised in three “panels” of research to the pre-modern Levant. Each study addresses specific topics at specific places in time and history – all revolving around the interaction between local and trans-local processes and dynamics and trans-local ones.

(For further details, see our Book Proposal in the Appendix.)

### 2. Participants and research activities

#### *Fellows*

- Kåre Berge, NLA University College, Bergen,
- Diana Edelman, Faculty of Theology, University of Oslo,
- Jens Kreinath, Department of Anthropology, Wichita State University, U.S.A,
- Øystein S. LaBianca, Institute of Archaeology, Department of Behavioral Sciences, Andrews University, U.S.A,
- Marina Prusac Lindhagen, Museum of Cultural History, University of Oslo, (withdrawn)
- Birgit Meyer, Department of Philosophy and Religious Studies, Utrecht University, Netherlands,
- Øyvind Norderval, Faculty of Theology, University of Oslo,
- Terje Stordalen, Faculty of Theology, University of Oslo,
- Bethany Walker, Annemarie Schimmel Kolleg, University of Bonn, Germany,

PhD-fellows connected to the group:

- Steffanie Schön, Centre for Gender Research / Faculty of Theology, University of Oslo,
- Håkon F. Teigen, Department of Archaeology, History, Cultural Studies and Religion, University of Bergen,
- Kari Zakariassen, Faculty of Theology, University of Oslo,

Closely co-operating scholars:

- Christine Amadou, Department of Philosophy, Classics, History of Art and Ideas (IFIKK), Faculty of Humanities, University of Oslo,
- Frode F. Jacobsen, Centre for Care Research, Bergen University College,
- Eivind Heldaas Seland, Department of Archaeology, History, Cultural Studies and Religion, University of Bergen,
- Eveline van der Steen, independent scholar,

### **3. Colloquia, workshops, seminars and excursions**

#### **3.1. Discussions and seminars**

##### *3.1.1. After lunch discussion for group members*

After lunch discussions on Thursdays (if feasible). Typically, one of the fellows gave an introduction or presentation that was discussed afterwards.

- 28 August 2014: Terje Stordalen: Starting up.
- 11 September 2014: Terje Stordalen: Based on an article using Bourdieu, the issue of social fields for LDG issues in late Iron Age Yehud.
- 18 September 2014: Preparing for Canonicity workshop.
- 25 September 2014: Summing up the Canonicity workshop.
- 2 October 2014: Preparing for Great and Little traditions workshop.
- 9 October 2014: A preliminary survey of what the Great and Little tradition perspective might contribute to the individual LDG fellows.
- 23 October 2014: Diana Edelman: "Symbolic Convergence Theory".
- 30 October 2014: Øystein S. LaBianca: Rethinking Canons, Rethinking Traditions, Rethinking the Social in the Past.
- 11 December 2014: Kåre Berge: 'Levitical Priests' and the Legitimation of authority in Deuteronomy.
- 6 February 2015: Bethany Walker: Draft of paper for the LDG volume.
- 12 February 2015: Diana Edelman: Creating an Unofficial Authority Structure as a Complementary Voluntary Society as a Response to Imperial Absorption.
- 26 February 2015: Preparing for the Geilo workshop
- 11 March 2015: Reinert Skumsnes (PhD, STK): Bourdieu.

### 3.1.2. Other seminars and meetings

- 2 June 2015: Public meeting: Iconoclashes: Image Wars in Past and Present. Venue: Norwegian Academy of Science and Letters. Organized by CAS & Norwegian Academy of Science and Letters, chaired by Vigdis Broche-Due. For further information: <http://www.cas.uio.no/events/publicjune15.php>

### 3.2. Luncheon seminars, CAS

- 6 November 2014: LDG presented by Diana Edelman: What Do the Idumean Ostraca Reveal about Local-Global Interactions in the Late Persian Empire?
- 11 March 2015: LDG presented by Øystein S. LaBianca: The Levant in the Global Ecumene: Wellspring of Image-paradigms and worldwide cultural production.

### 3.3. Guest lectures offered by members of the group externally

- Diana Edelman: Prophecy as a Cultural Phenomenon and as a Unique Biblical Genre, Stockholm School of Theology, 16 April 2015.
- Diana Edelman: Digging Up the Past in Israel, American Women's Organization, Senior fireside group, 20 April 2015.
- Øystein S. LaBianca, K. Berge, D. Edelman, and T. Stordalen: Presentations of the LDG project (four presentations). *Annual Meeting of the Norwegian Old Testament Society (NGTS)*, Norwegian School of Theology, Oslo, Norway, 6 November 2014.
- Øystein S. LaBianca: Archaeologists Engaging Global Challenges: The Way Forward. Paper presented at the session *Archaeologists Engaging Global Challenges*. Øystein S. LaBianca, organizer and chair. American Schools of Oriental Research, San Diego, 19-23 November 2014.
- Øystein S. LaBianca: Theorizing long-term socio-cultural processes in Jordan and the Eastern Mediterranean. Invited Lecture, *Department of Archaeology Lecture Series*, University of Durham, Durham, England, 4 February 2015.
- Birgit Meyer: How Pictures Matter. Presentation given at the occasion of the book launch of *Objects and the Imagination* (ed. Øivind Fuglerud and Leon Wainwright), Museum of Cultural History, 7 May 2015.
- Birgit Meyer: "Picturing the Invisible. Visual Culture and the Study of Religion". Department of Social Anthropology, UiO, 17 June 2015.

### 3.4. Workshops

#### 3.4.1. Closed, International Workshops:

- 19-20 September 2014: Bourdieu, Canonicity, and Social Canons in the Pre-Modern Levant. Early Hebrew Scripture as a Case Study for the Fabrication of Symbolic Hegemony. Venue: Hotel Gabelshus
  - Participants: Ehud Ben Zvi, Kåre Berge, Erwan Dianteill, Islam Dayeh, Diana Edelman, Frode F. Jacobsen, Kristin Joachimsen, Øystein S. LaBianca, Marina Prusac Lindhagen, Birgit Meyer, Christophe Nihan, Øyvind Norderval, Eric Ottenheim, Seth L. Sanders, Steffanie Schön, Eivind Heldaas Seland, Jon Vidar Sigurdsson, Terje Stordalen, Håkon Teigen, Bethany Walker, Kari Zakariassen.
- 6-8 October 2014: Appraisal of Robert Redfield's 'Great and Little Traditions' Framework for Theorizing Long-term Historical Processes in the Pre-Modern Levant. Venue: Faculty of Theology, University of Oslo.
  - Participants: Kåre Berge, John Bodley, Diana Edelman, Omar Ghul, Jeffrey Hudon, Asta LaBianca, Øystein S. LaBianca, Birgit Meyer, Kathleen Morrison, Øyvind Norderval, Pamela Gwyn Price, Marina Prusac Lindhagen,

Darrell Rohl, Maria Elena Ronza, Lovisa Mienna Sjöberg, Jon Vidar Sigurdsson, Eveline van der Steen, Terje Stordalen, Håkon Teigen, Lindy Williams, Kristen Witzel, Kari Zakariassen.

- 11-14 November 2014: The Social in the Past – Things, Texts, and Networks: A Material Approach to the Pre-Modern. Venue: Faculty of Theology, UiO.
  - Participants: Kåre Berge, Wim Broecker, Christian Hervig Bull, Mark Christian, Anna Collar, Diana Edelman, Ian Hodder, Frode F. Jacobsen, Jens Kreinath, Øystein S. LaBianca, Marina Prusac Lindhagen, Knut Lundby, John McCarthy, Birgit Meyer, Øyvind Norderval, Eric Ottenheim, Benjamin W. Porter, Rune Rattenborg, Jone Salomonsen, Marianne Schleicher, Eivind H. Seland, Jon Vidar Sigurdsson, Reinert Skumsnes, Philipp W. Stockhammer, Terje Stordalen, Håkon Teigen, Paula Jean Tutty, Kari Zakariassen.
- 22-23 March 2015: Biblical Scholars workshop on Hebrew Bible studies with a special focus on Canonicity. Venue: Hotel Gabelshus.
  - Participants 22-23 March: Mette Bundvad, Ingrid Hjelm, Jesper Høgenhaven, Fredrik Lindström, Blazenska Scheuer, Petter Skippervold, Terje Stordalen, Thomas L. Thompson, Ola Wikander, David Willgren, Kari Zakariassen
  - Participants 23 March: Kåre Berge, Philip Davies, Diana Edelman, Øystein S. LaBianca, Birgit Meyer, Øyvind Norderval, Frauke Uhlenbruch.
- 22-24 April 2015: Contested Desires. Figuration and Sensation in Abrahamic Traditions" Venue: Hotel Gabelshus.
  - Participants: Heike Behrend, Kalman Bland, Vigdis Broch-Due, Else Marie Bukdahl, Diana Edelman, Ingvild Flaskerud, Pedram Khosronejad, Christiane Kruse, Øystein S. LaBianca, Frode Lagset, Sonja Luehrmann, Birgit Meyer, David Morgan, Øyvind Norderval, Umar Ryad, Wendy Shaw, Richard Shusterman, Rainer Stillers, Terje Stordalen, Christoph Uehlinger, Jorada Verrips, Kari Zakariassen.

#### 3.4.2. Internal workshops

- 1-3 February 2015: First writing workshop: Toward a Globality Perspective on the Pre-Modern Levant. Venue: Dr. Holms hotel, Geilo.
  - Participants: Kåre Berge, Diana Edelman, Frode F. Jacobsen, Øystein LaBianca, Øyvind Norderval, Eivind Heldaas Seland, Eveline van der Steen, Terje Stordalen, Håkon Teigen, Kari Zakariassen.
- 19 March 2015: theoretical workshop. "Dimensions of Power and Authority". Venue: CAS.
  - LDG participants: Kåre Berge, Diana Edelman, Frode F. Jacobsen, Øystein S. LaBianca, Øyvind Norderval, Eivind Heldaas Seland, Eveline van der Steen, Terje Stordalen, Håkon Teigen, Kari Zakariassen.
- 18-22 May 2015: Second writing workshop: The LDG Volume. Venue: Hotel Brakanes, Ulvik, Hardanger.
  - Participants: Christine Amadou, Kåre Berge, Diana Edelman, Jens Kreinath, Øystein S. LaBianca, Øyvind Norderval, Eivind Heldaas Seland, Eveline van der Steen, Terje Stordalen, Håkon Teigen, Kari Zakariassen.
  - International commentator: Nicholas Purcell.

#### 3.4.3. Consultations

- 17 October 2014: Consultation on history and literature, with Francis Landy, Alberta University. Venue: CAS.

- 4 November 2014: Consultation on cultural memory (collective remembering) with Aleida and Jan Assmann. Venue: CAS.
- 25 March 2015: Seminar on the Mediterranean as a region in global history, with Nicholas Purcell, co-author of *The Corrupting Sea*. Venue: CAS.
- 23-24 March 2015: Consultation on Canonicity with Philip Davies. Venues: Hotel Gabelshus (23 March) and CAS (24 March).

#### 3.4.4. External workshops

- June 2014: Terje Stordalen was invited to a closed workshop at the University of Zürich, presenting the paper “Horse Statues in Seventh Century Jerusalem: On Criteria for Identifying and Evaluating Religious Diversity” (cf. bibliography).
- October 2014: Kåre Berge read the paper “Må monoteismen føre til vold? Jan Assmann om monoteisme og voldsretorikk” at a workshop on violence and religion at NLA. Organizer: Arve Brunvoll (cf. bibliography).
- 19-23 November 2014: Øystein S. LaBianca attended the session *Archaeologists Engaging Global Challenges*. American Schools of Oriental Research, San Diego. Participants: Oystein S. LaBianca (Andrews), organizer and chair; Alan Farahani (University of California, Berkeley); Dana DePietro (UC, Berkeley) and Casey Sharp (University of Haifa); Robert Darby and Erin Darby (both University of Tennessee); Anna Wieser (University of Kansas).
- March 2015: Kåre Berge presented the paper “Å forhandle et lokalt mine under inntrykket av det globale” at the workshop Religion and Cultural Memory at the University of Tromsø. Organizer: Espen Dahl (cf. bibliography).
- 20 March 2015: Diana Edelman participated in a one day consultation on Gender Hierarchies in the Ancient Near East: Interpretation of the Textual, Artistic and Archaeological Records, Institute of Gender Studies, University of Oslo. Edelman acted as respondent conversation partner in the consultation.
- 4-6 May 2015: Birgit Meyer attended "Gender and Pentecostalism Workshop", Venue: Solstrand. (Organizer Annelin Eriksen). This was a small, highly intense workshop devoted to the research program with the same title (Department of Anthropology, Bergen University). Meyer acted as one of 4 discussants and offered feedback.
- 3-4 June 2015: Birgit Meyer attended "CoMRel project meeting" Venue: Soria Moria, Oslo. This was the first meeting of the research project *Engaging with Conflicts in Mediatized Religious Environments. A Comparative Scandinavian Study* directed by Knut Lundby (UiO) and funded by the Norwegian Research Council in the framework of the Samkul scheme. Meyer is a member of the advisory board and offered comments and reflections.
- 15 May 2015: Birgit Meyer gave an introduction at a seminar for Master students working on Pentecostalism in Africa and beyond, Faculty of Theology, UiO.
- 10–12 June 2015: Kåre Berge presented the paper “Are There Centers and Periphery in Deuteronomy?” at a workshop at the University of Munich. Led by professors Christoph Levin, Munich; and Ehud ben Zvi, University of Alberta (cf. bibliography).
- 10-12 June 2015: Diana Edelman presented the paper “Identities within a Central and Peripheral Perspective”, at a workshop in Munich jointly hosted by the University of Munich and the University of Alberta.

#### 3.5. Media and conferences

- July 2014: Terje Stordalen, Terje Presented a paper at the *European Association of Biblical Studies*, annual meeting in Vienna: “Canon and Canonical Commentary”

- September 2014: Terje Stordalen presented the CAS project at the CAS opening ceremony
- October 2014: Terje Stordalen and Øystein LaBianca: Interview with the CAS information bulletin GLIMT.
- November 2014: Diana Edelman presented two papers at the annual meeting for the Society of Biblical Literature (SBL), San Diego, CA, November 22-25:
  - a) "Making A Case for the Origin of the First Edition of Deuteronomy in the Persian Period." In: the Book of Deuteronomy Consultation.
  - b) "Neo-Babylonian Policy in Judah." In: the Current Historiography and Ancient Israel and Judah section.
- June 2015: Kåre Berge presented a paper at the European Association of Biblical Studies, annual conference, Cordoba: "When Prophets Eat Books."

## 4. Achievements and evaluation

### 4.1. Generally on LDG research 2014-15

Our research has fairly consistently been moving on two different, although inter-connected tracks. First, all fellows, PhD fellows and co-operating scholars have worked to produce insights and texts related to their individual projects. These projects typically start as part of specific disciplinary discourses. Secondly, members of the group have co-operated in defining, clarifying and researching questions on the LDG agenda, questions designed so as to require cross-disciplinary engagement and development. While the disciplinary oriented parts of our research developed along expected trajectories – luckily, with some unexpected deeper insights produced every here and there – the inter-disciplinary research offered considerable resistance and was in need of constant re-definition and re-conceptualisation throughout our year at CAS. In the end, while we do think our project remains within the perimeters outlined in our project description, our way of defining and conceptualising the research problems making up this thematic area has experienced considerable change. Also, during the course of our discussions some themes branched off and offered to become separate research themes with promising possibilities. One such branch was related to the question of figurations of the sacred (see below).

### 4.2. Most important insights and results

#### 4.2.1. LDG main track

Among the more important theoretical developments is a deeper understanding of the Levant as a region and of the way that current characteristics of this region may be connected to age-old specifics of cultural production in the area. Three millennia of local cultural fragmentation and intense exposure for incoming culture seem to have given a particular environment for cultural production, one that produced a high number of remarkably resilient cultural products. In our material these products include the propensity to produce culturally canonical collections of literature as well as the templates of world-wide pilgrimage and veneration of saints. The resilience of these products – their ability to withstand cultural competition, to travel across cultural borders, and to change drastically over the centuries without losing a sense of identity – we stipulate is related precisely to their original climate of cultural production, with interaction and confrontation between trans-local / globalising and local interests. These insights and the arguments promoting them are going to come out as leading points in our joint volume *Levantine Entanglements: Dynamics of the Local and the Global in Premodern Times* (see Appendix 2 Book Proposal).



Another development, more in line with our project proposal, is that we have crystallized a new theoretical understanding of diachronic cultural production in the Levant. As part of this theoretical construct, we have established particular ways of approaching certain theorems – among them collective remembering (cultural memory), canonicity and canonization. Some insights related to these theorems are already published in the first volume related to our project: *The Formative Past and the Formation of the Future* (contributions by Terje Stordalen and Marina Prusac Lindhagen). That volume had a long time in making and the theoretical perspectives developed there were intertwined with the inception of the LDG project. The volume was concluded during the first semester at CAS. We have also managed to expand our original outlook by including analytical perspectives from core participants in our international workshops. Among the invited scholars most influential in our current reflection are Ian Nicholas Purcell (regional *long durée* history of the Mediterranean), Ian Hodder (entanglement), John Bodley (power of scale), Seth Sanders (emergence of writing cultures), and a renewed take on Pierre Bourdieu (through Erwan Dainteill's presentation in one of our workshops). This expanded reflection will feature in the theoretically oriented Part I of *Levantine Entanglements*.

A brief list of insights produced on the inter-disciplinary level of the project:

- (a) the Levant is made up of multiple micro-regions that each have their own particular risks and cultural productions; what binds these micro-regions together as a region is partly certain geological features and partly the geopolitical and historical fact that the region serves as a bridge connecting three continents
- (b) trans-regional entanglements in pre-modern times occurred as the result of interplay between a series of developments in non-synchronic cycles of intensification and abatement; some of these cycles occurred in what Braudel called *la longue durée*, as the result of environmental changes, slow changes in agricultural practices, etc. Other cycles occurred as *l'histoire événementielle*, initiated by imperial agents, agents of trade, specific cultural inventions, etc.
- (c) due to (a) and (b) the Levant developed a characteristic interplay between top-down and bottom-up cultural forces, providing an unusually fertile environment for a particularly resilient kinds of cultural production;
- (d) the resulting cultural products constituted the life-world of people in the region, and one cannot grasp the character of the Levant without considering this. Among the products are examples of a regional adaptation of the early emergence of global cities (Palmyra, Jerusalem); the general human tendency to crystallize cultural standards and rules (scriptural collections, honour codes); the veneration of events and saints at certain localities connected to a world-wide pilgrimage pattern.
- (e) these (and many other) cultural products of the pre-modern Levant are globally relevant even today, apparently in part due their peculiar cultural resilience. Our current understanding of these phenomena will be enhanced by considering their early history of production and entanglement.

#### 4.2.2. *Figurations of the sacred*

Alongside these insights on the projected LDG track, we ended up engaging in a separate discourse on questions about the figuration of the sacred in the three Abrahamic traditions. Our basis in this trajectory was a critique of modern, logocentric readings of the religious sources that generated past and current iconoclasm in the Levant. In this discourse we benefited in particular from the expertise of our fellow, prof. Birgit Meyer, Utrecht.

This line of research resulted first in an international workshop in April 2015 (Contested Desires: Figuration and Sensation in Abrahamic Traditions) and then in an open public meeting in June hosted jointly by CAS and DNVA (Iconoclashes). The workshop was

successful and theoretically innovative; we now plan a follow up meeting with the participants in the spring of 2016 in Berlin so as to discuss our contributions to an envisioned volume (to be submitted to an international publisher). This volume, with the tentative title *Contested Desires: Figuration and Sensation in Abrahamic Traditions*, is going to be the third and final volume of joint works related to the LDG project (see Appendix 3).

#### 4.2.3. Cross-disciplinary fertilization

In addition to these three volumes a number of fellows in the project are working on monographs and other larger works: Birgit Meyer is developing a large research agenda around, precisely, figurations of the sacred. Following her acquiring two prestigious Dutch research awards while at CAS, several works will emerge from this thematic complex in the years to come. Jens Kreinath is working on a cultural anthropological presentation of his field work in Southern Turkey (from which his article in *Levantine Entanglements* is an excerpt). Øystein LaBianca is preparing the final volume in the 14 volume Tall Hisban series that he is editing (all LaBianca's articles in *Levantine Entanglements* are related, in one sense or another, to this larger work). Terje Stordalen is preparing a monograph of comparative reflection on canonicity and canonization, using the classical Hebrew scriptures as a test case (expanding one of his articles in *Levantine Entanglements*). Bethany Walker is publishing a volume on the archaeology and history of the late Medieval Levant (to which her article in *Levantine Entanglements* is related). All of these works, which at the outset occur in frameworks defined by disciplinary discourse, are going to benefit from the dedicated inter-disciplinary discussion during our joint year at CAS.

#### 4.3. Group dynamics during the CAS year

As is seen in the list of activities, the initiators of the project, Øystein LaBianca and myself, primarily saw the year at CAS as an opportunity for an extended cross-disciplinary colloquium. We spent a lot of time preparing for fellows and participants in LDG to be able to engage in discussing of theoretical and material questions across conventional disciplines. We also attempted to initiate this particular mode of co-operation by hosting two internal LDG workshops (financed by the Faculty of Theology, UiO) already in the academic year 2013–14.

Our evaluation of this format is that it has its promises but also its challenges. For those of us who were willing and able to engage in intellectual exchange around the events, the template was of great value. At their best, especially our international workshops served to promote on-going group reflection in a way that surpasses anything we have experienced before. We were also particularly happy with having developed the format of ‘consultations’: one-day meetings where we invited international notabilities partly to present their recent work with relevance to LDG questions, and partly to respond to presentations by LDG fellows. In the case of the Purcell consultation, this arrangement was so successful, Dr. Purcell ended up coming to our final writing workshop and is likely going to have a small contribution in *Levantine Entanglements*.

On the other hand, this template is also particularly vulnerable, which we also experienced. Two of the originally agreed fellows either withdrew completely (Prusac Lindhagen) or reduced the engagement substantially (Bethany Walker). This created holes in the expertise expected to take part in the on-going colloquium. Two of our fellows fell ill during the year and had extended periods of reduced working capacities (Stordalen and Norderval). This, of course, hurt the group conversation. Finally, some fellows came loaded with already made obligations, expecting primarily to be able to complete these while at CAS. This, of course, affected their ability to take part in the group process. Finally, it may be that the expectation to develop a fully cross-disciplinary colloquium is overstated for a group in

session for only one year. Even with our pre-CAS workshops, we only managed to break through to a truly productive conversation during our late months at the centre.

#### **4.4. How the CAS year added value to the LDG project. Future plans**

In our experience, it would not have been possible to fund this kind of cross-disciplinary co-operation on the edge of established knowledge, on this scale in any other setting than CAS. Core members of the group have worked with the LDG project for a period of some seven years, and sent several applications for funding of projects that were in one sense or another variations of the current LDG. The year at CAS brought the LDG project off the ground. Offering opportunities for international exposure and co-operation and internal concentration and discussion CAS laid the foundation for the various LDG publications. More importantly: the process gave core members of the group the opportunity to re-frame the intellectual foundation of their scholarship, gaining new depths and new perspectives. These will form the basis from which we are going to conduct our academic work for the rest of our careers. We believe this is likely to open up new vistas of research on the Levant within the various disciplines that are involved in our project, including anthropology, archaeology, art history, biblical studies, history, and religious studies.

All LDG members have agreed to continue to collaborate until our respective contributions to our joint volume are completed. There is a similar process of co-operation involving many (not all) LDG members around another volume of collected papers from the workshop “Contested Desires.” In addition, core members of the group (Stordalen, LaBianca, Walker, and Meyer) are very likely to keep co-operating in various configurations for the coming years. It is too early to specify what projects will come out of these configurations.

### **5. Evaluation of CAS**

The year at CAS has been of outstanding value for all participants in the LDG group. We are thoroughly impressed by the institution and its staff, its localities, the profile of centre activities (social as well as academic), and in short: the extraordinary ability to generate an effective, friendly and yet intellectually challenging climate for research.

We are also deeply convinced about the importance of the CAS concept. As is evident in the above section, for our project no other concept for research funding has proved to be working for the kind of cross-disciplinary research development that we are interested in. To put a few words to our joint satisfaction, let me quote from the evaluation written by Birgit Meyer, which seems to speak for all LDG participants:

“I think that the CAS concept is fabulous. I have an earlier experience with the *Wissenschaftskolleg* in Berlin, which is larger and mainly invites individual fellows. [...] I very much enjoyed being located at CAS: a wonderful place to withdraw from all the daily demands and obligations in my life at the university. I learned a lot from talking to scholars working on a very different area – the Levant – and in other disciplines – biblical literature, history, archaeology and it helped me situate myself more clearly in the wider setting of religious studies. I found the staff extremely approachable, helpful and welcoming. The facilities – library, housing, social events – were excellent. I believe that the CAS “concept” and “facilities” are what they are because of the strong engagement of the staff, who clearly see this as more than a 9-5 job. I am very grateful to CAS for allowing me to spend time here. A big thank you!”

If the CAS were to attempt making the best even better, then we suggest these points might be considered:

The CAS concept works best for overseas fellows that could put all their time to their CAS project. It would be good to develop frameworks of agreements or contracts for all fellows (also Norwegian) that specified better the expectations from the CAS concerning presence on the premises and concentration of work efforts during a fellowship. In the case of Norwegian fellows (especially those from Oslo) this could help shielding them better off from other obligations. In the case of overseas fellows, this would help clarifying the concept of a *group* grant into which one is expected to engage.

It is important to communicate very clearly to overseas fellows just what kind of financial support and compensation is offered, and on what conditions. A couple of our fellows felt that condition and practice of compensation were changed during their stay, which generated some friction. An even clearer communication upfront might have relieved this friction.

Library facilities at CAS are generally good, but we LDG members (who made intense use of these facilities) occasionally experienced unexpected long delays in deliverance and unexpected disappearance of books. We understand none of this is generated by CAS routines, and that it is not under the control of CAS. Such experiences do, nevertheless, generate some problems for CAS fellows, so perhaps it might be possible to address this challenge?

## 6. Publications (not including the LDG volumes)

### 6.1. Works deriving from the project and published during the year at CAS

- Kreinath, J. 2014. “Virtual Encounters with Hızır and Other Muslim Saints: Dreaming and Healing at Local Pilgrimage Sites in Hatay, Turkey.” *Anthropology of the Contemporary Middle East and Central Eurasia*: 2 (1): 25–66.
- Økland, J. and T. Stordalen. 2014. “Canon, Canonicity, Canonization.” In *Oxford Encyclopedia of the Bible and Gender Studies, Volume 1*, edited by J. O’Brian. 17–25. Oxford: Oxford University Press. \*
- Stordalen, T. 2014. “Dialogism, Monologism, and Cultural Literacy: Classical Hebrew Literature and Readers’ Epistemic Paradigms.” *The Bible and Critical Theory* 10 (1). 1–19.\* <http://novaajs.newcastle.edu.au/ojsbct/index.php/bct/article/view/580/521>
- Stordalen, T. 2015. “Heshbon – The History of a Biblical Memory.” In *New Perspectives on Old Testament Prophecy and History: Essays in Honour of Hans M. Barstad*, edited by R.I. Thelle, T. Stordalen, M.E.J. Richardson. 246–263. Leiden: Brill.\*
- Stordalen, T. 2015. “The Canonical Taming of Job (Job 42:1–6).” In *Perspectives on Israelite Wisdom: Proceedings of the Oxford Old Testament Seminar* edited by J. Jarrick. [Shortly forthcoming]. London: Bloomsbury.\*
- Stordalen, T. 2015. “Horse Statues in Seventh Century Jerusalem: Ancient Social Formations and the Evaluation of Religious Diversity.” *Hebrew Bible and Ancient Israel* 4 (1). 106–132.
- Stordalen, T. and S-A. Naguib eds 2015. *The Formative Past and the Formation of the Future: Collective Remembering and Identity Formation*. Institute for Comparative Research in Human Culture. Oslo: Novus.

---

\* Unfortunately, this work was submitted prior before the CAS regulations on crediting procedures had reached the author.

- Stordalen, T. and S.-A. Naguib 2015. "Time, Media, Space: Perspectives on the Ecology of Collective Remembering. In *The Formative Past* edited by T. Stordalen and S.-A. Naguib. 17–40. Oslo: Novus.
- Stordalen, T. 2015. "Canon and Canonical Commentary: Comparative Perspectives on Canonical Ecologies." In *The Formative Past* edited by T. Stordalen and S.-A. Naguib. 133–160. Oslo: Novus.

## 6.2. Works deriving from the project and still in preparation

- Berge, K. [Forthcoming]. "Må monoteismen føre til vold? Jan Assmann om monoteisme og voldsretorikk." In a volume on violence and religion, edited by A. Brunvoll.
- Berge, K. [Forthcoming]. "Mystified authority: Legitimizing Leadership Through «lost books»." In *Leadership, Social Memory and Judean Discourse in the 5th to 2nd Centuries BCE*, edited by D. Edelman and E. Ben Zvi. Archaeology and History. Sheffield: Equinox.
- Berge, K. [Forthcoming]. "Are there centres and peripheries in Deuteronomy?" In *Centres and Peripheries in the Early Second Temple Period*, edited by C. Levin and E. Ben Zvi.
- Berge, K. [Forthcoming.] "Å forhandle et lokalt mine under inntrykket av det globale." In an anthology on cultural memory, edited by K. Joachimsen and E. Dahl.
- Edelman, D. ed. 2015. *Religion in the Persian Period: Emerging Judaisms and Other Trends*, edited by Diana V. Edelman, Anne Fitzpatrick, and Philippe Guillaume. ORA. Mohr-Siebeck.
- Edelman, D. 2015 [forthcoming]. "Iconography on Double-Shekel Sidonian Coinage in the Persian Period: Is It a God or a King in the Chariot?" In *Religion in the Persian Period: Emerging Judaisms and Other Trends*, edited by Diana V. Edelman, Anne Fitzpatrick, and Philippe Guillaume. Orientalische Religionen in der Antike. Tübingen: Mohr-Siebeck, Ca 70 pp.
- Edelman, D. [Forthcoming]. "Identities within a Central and Peripheral Perspective." In *Centres and Peripheries in the Early Second Temple Period*, edited by C. Levin and E. Ben Zvi.
- Edelman, D. 2015. "The Economy and Administration of Rural Idumea at the End of the Persian Period." In *The Economy of Ancient Judah in its Historical Context*, edited by Marvin Miller, Ehud Ben Zvi and Gary Knoppers. Winona Lake, IN: Eisenbrauns. Ca. 30 pp. [Forthcoming].
- LaBianca, Ø.S. and M.E. Ronza [forthcoming]. "Community Engagement in Heritage Site Presentation in Jordan." In *Oxford Handbook of Islamic Archaeology*, edited by Bethany Walker.
- LaBianca, Ø.S. [Forthcoming] *Hesban in Global History*. Hesban Final Publication Series 14. Berrien Springs, MI: Andrews University Press.
- LaBianca, Ø.S. and A. LaBianca. [Forthcoming]. *Ethnoarchaeological Inquiries*. Hesban Final Publication Series 4. Berrien Springs, MI: Andrews University Press.
- LaBianca, Ø.S., B. Walker, R.D. Bates, and J.P. Hudon. [Forthcoming]. "Tall Ḥisbān 2013 and 2014 Excavation Seasons: Exploration of the Medieval Village and Long-Term Water Systems." *Annual of the Department of Antiquities of Jordan*. Department of Antiquities of Jordan.
- Stordalen, T. 2016. [Forthcoming]. "Imagining the Memory of an Elder: Job 29–30." In *Leadership, Social Memory and Judean Discourse in the 5th to 2nd Centuries BCE*. edited by E. Ben Zvi and D. Edelman. Sheffield: Equinox. Ms. 24 pp.

### 6.3. Other works for which CAS is credited

- Edelman, D. 2014. "City Gardens and Parks in Biblical Social Memory." In *Memory and the City in Ancient Israel*, edited by Diana V. Edelman and Ehud Ben Zvi. 115-55. Winona Lake, IN: Eisenbrauns.
- Edelman, D. 2014. "Cisterns and Wells in Biblical Memory." In *Memory and the City in Ancient Israel*, edited by Diana V. Edelman and Ehud Ben Zvi. 177-93. Winona Lake, IN: Eisenbrauns.
- Edelman, D. 2015. "The Metaphor of Torah as a Life-Giving Well in Deuteronomy." In *History, Memory, Hebrew Scripture: Festschrift for Ehud Ben Zvi*, edited by Ian D. Wilson and Diana Edelman, 317-33. Winona Lake, IN: Eisenbrauns.
- Edelman, D ed. 2015. *Religion in the Persian Period: Emerging Judaisms and Other Trends*, edited by Diana V. Edelman, Anne Fitzpatrick, and Philippe Guillaume. ORA. Mohr-Siebeck.
- Edelman, D. [forthcoming]. "Intertextual Allusion Using the Root G-N-N in Zechariah 9:13-15." In *Poets, Prophets, Lovers and Beauty: Studies in Biblical Poetry and Prophecy in Honour of Francis Landy*, edited by Claudia Camp, David Gunn, Ehud Ben Zvi, and Aaron Huges. LHBOTS. London: Bloomsbury. 12 pp.
- Edelman, D. [forthcoming]. "Remembering Samson in a Hellenized Jewish Context (Judges 13-16)," in *Leadership, Social Memory and Judean Discourse in the 5<sup>th</sup> to 2<sup>nd</sup> Centuries BCE*, edited by Ehud Ben Zvi and Diana Edelman. Worlds of the Ancient Near East and Mediterranean. Sheffield: Equinox.
- Stordalen, T. 2015. "The Trail of Roses: Time, Media, and Space in Memory Practices in Oslo after 22 July 2011." In *The Formative Past* edited by T. Stordalen and S.-A. Naguib. 315–344. Oslo: Novus.
- Stordalen, T. 2014. "Imagined and Forgotten Communities: Othering in the Story of Josiah's Reform (2 Kings 23)." In *Imagining the Other and Constructing Israelite Identity in the Early Second Temple Period*, edited by E. Ben Zvi and D. Edelman. 182–200. London: Bloomsbury.

## **Appendix 1: Fellows, PhD Fellows and Co-Operating Scholars**

- Christine Amadou. Associate Professor. Department of Philosophy, Classics, History of Art and Ideas (IFIKK), Faculty of Humanities, University of Oslo.
- Kåre Berge. Professor. NLA University College, Bergen.
- Diana Edelman. Professor. Faculty of Theology, University of Oslo.
- Frode F. Jacobsen. Professor. Centre for Care Research, Bergen University College.
- Jens Kreinath. Associate Professor. Department of Anthropology, Wichita State University, U.S.A.
- Øystein S. LaBianca. Professor. Institute of Archaeology, Department of Behavioral Sciences, Andrews University, U.S.A.
- Marina Prusac Lindhagen. Associate Professor. Section for Numismatics and Classical Archeology, Museum of Cultural History, University of Oslo.
- Birgit Meyer. Professor. Department of Philosophy and Religious Studies, Utrecht University, Netherlands.
- Øyvind Norderval. Professor. Faculty of Theology, University of Oslo
- Stefanie Schön. PhD Fellow. Centre for Gender Research / Faculty of Theology, University of Oslo.
- Eivind Heldaas Seland. Researcher. Department of Archaeology, History, Cultural Studies and Religion, University of Bergen.
- Terje Stordalen. Professor. Faculty of Theology, University of Oslo.
- Håkon F. Teigen. PhD Fellow. Department of Archaeology, History, Cultural Studies and Religion, University of Bergen.
- Eveline van der Steen. Independent scholar.
- Bethany Walker. Professor. Annemarie Schimmel Kolleg, University of Bonn, Germany.
- Kari Zakariassen. PhD Fellow. Faculty of Theology, University of Oslo.

## Appendix 2: Outline

### *Levantine Entanglements*

#### *Dynamics of the Local and the Global in Premodern Times*

	Approx. pages
Introduction Terje Stordalen	10 pp
<i>I: Analytical Perspectives</i>	
- The Levant and Its Entanglements Terje Stordalen and Øystein LaBianca	20 pp
- Late Iron Age Dynamics of the Local in the Trans-Local – as Reflected in Biblical Literature Terje Stordalen	25 pp
- Globality and Global History – A New Lens for Seeing the Levant Jens Kreinath	20 pp
- Levantine Dynamics – Diachronic Study of Cultural Production in the Levant Øystein LaBianca	20 pp
<i>II: Panel A – Localities and Globalities</i>	
- Introduction Øystein LaBianca	5 pp
- Cycles of Intensification and Abatement at Tall Hisban, Jordan Øystein LaBianca	40 pp
- An Archaeological Excavation Site as Contested Space: Local Narration of Tall Hisban in a Global Context Frode Fadnes Jacobsen	25 pp
- Local dynamics of Globalisation in the Roman Near East: The Case of Palmyra Eivind Heldaas Seland	25 pp
<i>III: Panel B – Dynamics of Holy Places</i>	
- Introduction Jens Kreinath	5 pp
- Constantine’s Palestine: The Construction of the Holy Land as an Imperial and Ecclesiastical Project Øyvind Norderval	25 pp
- Local Cult, Traveling Miracles and Global Discourses: Reading Saint George’s Cult in Lydda into Shifting Political and Ideological Contexts Christine Amadou	25 pp
- Elijah, St. George, and Hz. Hızır and the Infrastructure of Shared Pilgrimage Sites in the Northern Levant Jens Kreinath	45p
- Connecting Manichaeans: The Coherence of the Manichaean Church Håkon Teigen	25 pp
<i>IV: Panel C – Homelands and Canonical Ecologies</i>	
- Introduction Terje Stordalen	5 pp



-The Role of Exile and Homeland in Evolving Identities after Imperial Absorption: The Judeans and Samaritans as a Case Study Diana Edelman	50 pp
- The Book, the Land, and the Making of “Israel:” Group Identity and Power Dynamics in Persian Empire Judah. A Case Study of the Book of Deuteronomy Kåre Berge	25 pp
- Reconstructing Homeland at a Time of Globalizing Change: Peasant Migration in Late Medieval Syria Bethany J. Walker	50 pp
- Honour, Shame and Hospitality and the Distribution of Power in the Premodern Levant Eveline van der Steen	35 pp
- The Production of Authority in Canonical Ecologies: A Case Study and a General Reflection Terje Stordalen	45 pp
 <i>V: Outlook</i>	
- The Levant and Its Dynamics of the Local and the Global Terje Stordalen	20 pp
- Reflection: Archaeology and Levantine Entanglements Ian Hodder	10 pp
- Reflection: History and Levantine Entanglements Nicholas Purcell	10 pp
- Reflection: Religious Studies and Levantine Entanglements Birgit Meyer	10 pp

## Appendix 3: Tentative Outline

### *Contested Desires:*

#### *Figurations of the Sacred in Three Abrahamic Religions*

##### Introduction

Birgit Meyer and Terje Stordalen

##### Farewell to “Biblical Logocentrism”: The Sublime in Biblical Literature and in its Modern(ist) Reception

Terje Stordalen, University of Oslo

##### History, Theory and Concepts

Christoph Uehlinger, University of Zürich

##### Visual Images in Medieval Jewish Culture Before the Era of Art

Kalman Bland, Duke University

##### Conflicted Desires: Biblical Somaesthetics of Sex and Sight

Richard Shusterman, Florida Atlantic University

##### Passion for the Image: The Image as Beloved in Islamic Persian Poetry

Wendy Shaw, Freie Universität, Berlin

xx

Entry by Islamic scholar (not yet negotiated)

##### Imaging Mohammed between Islamic Law and Practice: A Legalist-Historical Approach

Umar Ryad, University of Utrecht

##### The Interplay between the Concepts of Figuration and ‘the Aesthetics of the Sublime’ in Modern Church Art and its Historical Basis

Else Marie Bukdahl, University of Aalborg

##### Incarnation: The Art Theory of *incarnazione* and the Loss of metaphysics in the Modern World

Kristiane Kruse, Muthesius Kunsthochschule, Kiel

##### Matter on the Move: The Plasticity of Things and the Fluidity of the Sacred

David Morgan, Duke University

##### Moulded Imaginaries: Iconographic Media as an Environment of Canonical Perception

Sonja Luehrman, Simon Fraser University, Vancouver

##### “Photography as Unveiling”: Muslim Discourses and Practices along the East African Coast

Heike Behrend, Universität Köln

##### Contested Figurations: Picturing the Divine and the Occult in Christian Ghana

Birgit Meyer, University of Utrecht

##### Epilogue: Figurations of the Sacred

Birgit Meyer and Terje Stordalen

[A couple of additional entries are likely to appear in the final publication.]

# **Foundations and space of action of Nordic inheritance law: Strategies, relations and historical development c. 1100 – 2020**

Report by Lars Ivar Hansen  
Group leader 2014/2015  
Sept. 2015

Nine scholars from the Nordic countries participated in the research group staying at CAS during the academic year 2014/2015 – four law scholars, four historians and one social anthropologist. Basing themselves on a comparative and interdisciplinary approach, they have studied the development of inheritance law in the Nordic countries from the Middle Ages and until present.

This work has resulted in the preparation of three forthcoming volumes: 1) A synthesizing and comparative analysis of Nordic inheritance law in the period 1100 – 2020, 2) An anthology of in-depth studies that highlight historical and contemporary inheritance practices and the various acting options established by inheritance law. And 3) Proceedings from an international conference arranged by the research group, concerning donation culture in the Western European and Nordic Countries from the Late Roman period until today. Apart from this, the group members have published a long series of articles concerning inheritance in journals and contributions in anthologies during their stay at CAS.

## **1. General Description**

The aim of the project is to undertake a multidisciplinary study of the development and social effects of inheritance law in the Nordic countries in a long-time perspective, covering the period from the beginning of the high Middle Ages until the present day. Inheritance law is one of the most basic and comprehensive fields for regulation of society, as it defines how property and resources shall be transferred from one generation to another, and thereby has far-reaching consequences for the overall distribution of resources and means of subsistence for succeeding generations. The project focuses not only on the interests, premises and mechanisms at work during the process of legislation through the ages, with its different influences and various needs and challenges to be met by the legislators, due to societal changes. It is also concerned with inheritance law as a contested and constrained space of action, giving room for various acting options and strategies that might be followed by diverse actors, according to their legal status, social position and interests.

## **2. Participants and research activities**

The group consists of four legal scholars, four historians and one social anthropologist from all of the Nordic countries:

- *John Asland*, Professor, Department of Private Law, Faculty of Law, University of Oslo, Norway. At CAS for the entire year.
- *Marianne Holdgaard*, Professor, Department of Law, Aalborg University, Denmark. At CAS from August to the middle of February (6 months).
- *Már Jónsson*, Professor, Institute of History, University of Iceland. At CAS from January to the end of June (6 months).
- *Mia Korpiola*, Professor, Faculty of Law, University of Turku, Finland. At CAS from August to the middle of November, and from the beginning of April to the end of June (6 months).
- *Auður G. Magnúsdóttir*, Senior Lecturer, Department of Historical Studies, University of Gothenburg, Sweden. At CAS from January to the end of June (6 months).
- *Bodil Selmer*, Associate Professor, Department of Culture and Society, Aarhus University, Denmark. At CAS from August to the middle of February (6 months).
- *Helle Møller Sigh*, Head of Department, Strandingsmuseum St. George, Thorsminde, Denmark. At CAS from January to the end of March (3 months).
- *Helle Vogt*, Associate Professor, Faculty of Law, University of Copenhagen, Denmark. At CAS from the end of November to the middle of June (6 ½ months).
- *Lars Ivar Hansen* (Group leader), Professor, Department of History and Religious Studies, UiT - The Arctic University of Norway. At CAS for the entire year.

During the year at CAS, the members of the group have studied the expressions of Nordic inheritance law as it is manifested in the consecutive laws (from the various provincial laws in the early Middle Ages and the separate medieval National laws), law revisions/additions and preparatory considerations for the reformulation and introduction of new law provisions. Examples from court decisions and probate records - as well as challenges of the present-day, due to changes in social patterns, have also been considered.

Some interpretation problems stemming from the older law sources have been discussed at internal seminars by the group members; such as the inheritance succession prescribed by the Norwegian National law established by Magnus the Lawmender in 1274, and a selection of Nordic medieval sources. – The research group has held regular meetings of coordination and practical problems every Wednesday, and the co-writers of different sections of the synthesizing, comparative volume have met regularly to discuss questions related to the structure and disposition of the manuscript.

The results of these studies will be published in two volumes:

- “*A History of Inheritance Law in the Nordic Countries, 1100 – 2020*” (working title), which will provide a comprehensive and comparative survey of the long-term development of inheritance law in the Nordic countries from the Middle Ages to the present. This volume will be written by the members of the research group in cooperation.
- “*Space of Action and Legal strategies: The workings of Nordic Inheritance Law through the Ages*” (working title). The aim of this volume is to highlight the part of the project which concerns the aspect of inheritance as a contested and constrained *space of action*, focusing on the legal strategies employed by various actors – law-makers, potential heirs as well as testators. This volume will be an anthology, with contributions on separate fields and processes, not only by the members of the research group, but by eleven other authors as well. (See 3.1. below, concerning the project’s “Kick-off seminar” in September 2014.)

Book proposals about these two volumes have been sent to the editorial committee of the series *Studies in the History of Private Law* published by Brill (Leiden), and they have answered positively, and would like to have manuscripts delivered for peer-review.

In addition, an anthology with the proceedings of the international conference on “*Space of Action: Donations & Inheritance*”, held in January 2015 will be published separately at Routledge in the series *Cultural History*. The book proposal received very good pre-reviews, and has now been accepted for publishing, and contract has been signed.

### **3. Colloquia, lectures, seminars and workshops**

#### **3.1. Presentations**

Lars Ivar Hansen: Presentation of the project at the formal opening of the 23rd academic year of the Centre of Advanced Studies, September 4<sup>th</sup> 2014.

Lars Ivar Hansen: Presentation of project aims and status for the Board of the Centre of Advanced Studies, December 8<sup>th</sup> 2014.

#### **3.2. Discussions and seminars**

Two internal seminars have been by the research group in order to discuss and clarify the interpretation of old law sources:

**21 January 2015, 14:00 – 16:00:** Problems concerning the interpretation of inheritance succession as prescribed by the Norwegian National law established by Magnus the Lawmender in 1274, by Lars Ivar Hansen.

**17 March 2015, 15.00-18.00:** The interpretation of donations in Nordic medieval law by Helle Sigh and Helle Vogt.

The following lectures and seminars were held (in the Luncheon room at CAS) by specially invited scholars:

**18 November 2014, 12:30-15:00:** Lecture by Nathalie le Bouhteilec, Associate Researcher at the Dept. of Economic History of Uppsala University: “*State regulation of parenthood as expressed through laws on children born out of wedlock in Denmark, Norway and Sweden*”.

**3 December 2014, 13:00-15:00:** Seminar by Professor Gillian Douglas, Cardiff Law School, Cardiff University: “*Nearest and Dearest? Inheritance, 'the inheritance family' and English Law*”.

**6 January 2015, 13:00-15:00:** Lecture by Simone Abram, Reader at the Durham University and at Leeds Beckett University: “*Cabin Society - materialising kinship through property inheritance*”.

**23 February 2015, 14:30:** Seminar by Professor Stephen D. White, Emory/ Harvard University: "*Inheritance strategies, inheritance disputes, and donations in 'free and perpetual alms' in relation to the Norman Conquest of England*".

**13 May 2015, 15:00 - 17:00:** Lecture by Professor Maria Sjöberg, Department of History, Göteborg University: "*Kvinnors jord, manlig rätt*".

**18 May 2015, 15:00 - 17:00:** Lecture by Professor Jørn Øyrehagen Sunde, Faculty of Law, University of Bergen: "*Etterreformatoriske donasjoner i Noreg 1536-1814*".

**28 May 2015, 15:00 - 17:00:** Lecture by Professor Louise Wilkinson, School of Humanities, Canterbury Christ Church University: "*Families, inheritance and politics in the England of King John and Magna Carta*".

**12 June 2015, 13:00 - 15:00:** Lecture by Professor Knut Dørum, Department of Religion, Philosophy and History, University of Agder: "*Odelsretten i Norge ca. 1600-1800 – endret funksjon og betydning?*"

### **3.3. Luncheon seminars, CAS**

**21 October 2014:** "*The Struggle for Equal Inheritance Shares for Men and Women in the 19th Century*" – Seminar by Professor John Asland, Department of Private Law, Faculty of Law, University of Oslo.

**8 April 2015:** "*Understanding inheritance: textual analysis and descriptive statistics*" - Seminar by Senior Lecturer Auður Magnúsdóttir, Department of Historical Studies, University of Gothenburg, Sweden, and Professor Már Jónsson, Institute of History, University of Iceland.

### **3.4. Guest lectures held by members of the group externally**

**Helle Vogt**

**3 November 2014:** "The Danish civil wars 1242-1264" Lecture at the conference: *Northern Lights?/Lumières du Nord? The Nordic Countries from Medieval Civil Wars to Constitutional States and Models of Modernity*, Sorbonne

**29-30 September 2014:** "The kin's collective responsibility for paying of man's worth in medieval Denmark", Lecture at *Wergild, compensation and penance The monetary logic of early medieval conflict resolution*, Freie Universität, Berlin

**22 April 2015 14:30 - 15:00:** "Brug af konfliktløsningsmodeller i højmiddelalderens Danmark", *Nordiske rettshistorikerdager 22.-24. april 2015*, Univ. of Oslo, Faculty of Law

**19 May 2015 18:00 - 21:00:** "Between private and public – the construction of parenthood in Scandinavia", at *CENJ, l'École des hautes études en sciences sociales*, Paris

**Mia Korpiola**

**24 April 2015 10:00 - 10:30:** «Kräfteor, bär och rätten att bruka naturresurser i Finland ca 1900», *Nordiske rettshistorikerdager 22.-24. april 2015*, Univ. of Oslo, Faculty of Law

**Mia Korpiola, Helle Vogt and Auður Magnúsdóttir**

**2 June 2015 19:00 - 20:00:** Presentation of the project at a meeting of *Collegium mediaevale: Society for Medieval Studies* (at Univ. of Oslo, Nils Treschow's house, Blindern).

**John Asland**

**17 September 2014:** "Ny arvelov" (New Inheritance Act): Fagseminar Oslo byfogdembete, Oslo Probate Court, Norefjell

**16 October 2014:** "Nye regler – gamle testamenter" (New Legislation – Old Wills): Det årlige Sandefjordkurset i familierett, Center for Continuing Legal Education, Park hotel, Sandefjord

**16 October 2014:** "Nytt i familie- og arveretten" (News in Inheritance Law and Family Law): Det årlige Sandefjordkurset i familierett, Center for Continuing Legal Education, Park hotel, Sandefjord

**16 October 2014:** "Særeieklousuler" (Separate Property Clauses): Det årlige Sandefjordkurset i familierett, Center for Continuing Legal Education, Park hotel, Sandefjord

**23 October 2014:** "Samboeres arverettslige stilling" (Inheritance Rights for Cohabitants): Autumn Seminar, Oppland division of the Norwegian Bar Association, Strand hotel, Gjøvik

**19 November 2014:** "Kampen for lik arverett mellom menn og kvinner på 1800-tallet" (The Struggle for Equal Inheritance Rights for Men and Women in the 19<sup>th</sup> Century), Seminarrekke i familie- og arverett, Department of Private Law, University of Oslo, Domus Media, Oslo

**24 March 2015:** "Arv, eiendom og ugyldighet" (Inheritance, Property and Voidance) (with Marianne Reusch): Ugyldighetsseminar, Department of Private Law, University of Oslo, Domus Media, Oslo

**8 May 2015:** "Avtaler om arv" (Contracts on Inheritance): Annual meeting, Eurojuris Norway, Lillehammer, Radisson Blu hotel, Lillehammer

**28 May 2015:** "Særeieklousuler" (Separate Property Clauses): Advokatenes fagdager, The Norwegian Bar Association, Oslo conference center, Oslo

### **3.5. Workshop(s) and conferences**

#### **3.5.1. Kick-off seminar**

An initial seminar was held in the days September 24<sup>th</sup> - 25<sup>th</sup> at the localities of Faculty of Law, University of Oslo (Dept. of Private Law, Domus Media). The aim was to strengthen the interaction with other scholars interested in the field of Nordic inheritance law, to present the

project plans for a wider audience, and welcome initiatives for contributions to the second volume planned by the research group. Apart from the members of the project group, the seminar gathered four scholars from Norway, two from Denmark and two from Sweden, as well as other interested scholars at the University of Oslo, and in all 20 abstracts have been delivered for contributions to the planned anthology about “*Space of Action and Legal Strategies*” (see 6.2. Forthcoming publications).

### **3.5.2. International conference**

An international conference was arranged in January 27<sup>th</sup> – 29<sup>th</sup> 2015 by Helle Vogt and Helle Møller Sigh, focusing on one central feature of the “space of action”-aspect of the project: The donation culture from the Middle Ages and onwards. The title of the conference was: *Space of Action: Donations & Inheritance – Strategies, Relations and Historical Development from Late Roman Period until Modern Times*, and it was held in the localities of The Norwegian Academy for Science and Letters and Faculty of law, University of Oslo. – In addition to the members of the research group, the following international scholars were invited and gave presentations:

Prof. *Caroline Humfress*, Birkbeck, University of London  
Prof. *Charles J. Reid*, University of St. Thomas, Minneapolis  
Prof. *Amy Livingstone*, Wittenberg University, Springfield  
Prof. *Mathias Schmoeckel*, Rheinische Friedrich-Wilhelms-Universität, Bonn  
Ass. Prof. *Agnes Arnórsdóttir*, Aarhus Universitet  
Adj. Prof. *Anu Lahtinen*, University of Turku

The conference proceedings will be published in a separate volume.

### **3.6. Media**

Lars Aarønæs: “Hvor går arven?” – interview with Lars Ivar Hansen, *CAS-Newsletter GLIMT 2014* (October), <http://www.cas.uio.no/glimt/2014/arven.php>

Line Vaaben: “Din, min og vores arv. Interview with Marianne Holdgaard og Bodil Selmer, *Dagbladet Information* 7. Februar 2015.

Bodil Selmer: Participation in TV-program “Familiens Arvegods” (The Inheritance of the Family), *DR 2* (broadcasted first time march 2014 and reiterated 31 January 2015)

## **4. Achievements and evaluation**

**Including:**

**- Were your results as expected, or did your research take other directions than outlined in your project description?**

The project description was a very good start and background for the progress and development of the project. The research that has been made and the research that will be produced according to the plan in the future will have its outset in the project description.

**- Outline the most important results so far, and results to be presented in forthcoming publications.**



These have already been described above.

**- How did your group work together during the CAS-year?**

The members of the group got along very well. However, it does of course take some time for people with different academic background to find a common ground, but the group managed very well, and learned a lot from the process. The inter-disciplinary co-operation was very fruitful for all participants.

**- Why was a year at CAS important for this project? Describe the added value.**

The year at CAS would provided us all with the time and resources for the project that never would have been possible otherwise. In particular, the opportunity for concentrating on specific themes and problems, without being interrupted by teaching and administrative duties, was excellent.

**- Are there any plans for continuing the collaborations initiated during your stay at CAS?**

Yes, everybody in the group plan to meet and continue collaboration in the future on projects closely related to the project, either with one or more members from the group or with a person who has participated in the project.

## **5. Evaluation of CAS**

**- How do you evaluate the CAS-concept?**

The concept as it is described on the homepage of CAS is indeed excellent, as “researchers from Norway and abroad are invited to spend a year. During their stay at CAS, researchers are excused from all duties other than pure research, giving them the time they need to bring all their creativity to bear in an inspiring international environment together with colleagues from their own and other disciplines.” Our group consisted of nine scholars from all of the Nordic countries, all of us working on some aspects of inheritance but in different periods and from a variety of perspectives. The two Norwegians in the group were at CAS during the whole academic year and the others stayed for two to eight months. This could be seen as a disadvantage, since not everyone was present all the time, but the continuity of our work, as well as its consistency, was assured by frequent meetings and discussions by e-mail. The opportunity of these meetings and discussions in a relaxed atmosphere, (mostly) free of other obligations, was of inestimable value and it would not have been possible otherwise, which means that our evaluation of the CAS-concept is entirely positive.

**- How do you evaluate the facilities at CAS?**

The offices are excellent and it was convenient to have access to work there outside of “normal” working hours. The technical facilities were generally good, internet access as well as printing. The staff at CAS is helpful and efficient – always available and friendly. Walking upstairs to the luncheon-room was good exercise and it turned out to be very interesting to have the semi-obligatory lunch together with the other groups present.

**- Suggestions for improvements?**

a) CAS should perhaps consider the instauration of some kind of working papers, small and inexpensive volumes where the groups and their invitees would present preliminary results in a more informal manner than required in the more serious publications that are defined as the obligatory outcome of the projects, but often do not appear until a year or two after the stay at CAS.

b) Though the technical facilities are good, some group members experienced rather often problems with printing, and scanning documents on the copying machine. If possible, the CAS administration could perhaps consider how the technical support might be available when acute IT problems occur.

c) Some members of the research group – citizens of other Nordic countries – had several problems concerning mainly how to establish a Norwegian bank account, and to have their address changed to one in Norway – perhaps especially for those who should stay for longer than six months. Some of the group members therefore used quite a long time to get these practical problems solved in the beginning of the stay. Notwithstanding the information on the CAS’ website it might be a help to get more verbal and practical support to solve those practical problems, for instance by having some resource persons to consult for advice. For those without a “person number” special problems occurred – also in case of illness and stay on hospital.

## 6. Publications

### 6.1. Published

#### John Asland

Asland, J., M. Brattström, I. Lund-Andersen, G. Lind, A. Singer and T. Sverdrup. 2014. *Nordisk Samboerrett*. Oslo: Gyldendal Juridisk.

Asland, J. 2014. “Gjenlevende samboers rettsstilling.” In *Nordisk samboerrett*, 175-225. Oslo: Gyldendal Juridisk.

#### Már Jónsson

Jónsson, M. 2015. *Sterbúsins fémunir framtöldust þessir, Eftirlátnar eigur 96 Íslendinga sem létust á tímabilinu 1720-1820* [An edition of selected Icelandic probate documents from the period 1720-1820 with an extensive introduction on the sources and their legal and social context.] (Sýnisbók Íslenskrar Alþýðmenningar, 18. bd.), Reykjavík: Sögufélag.

#### Mia Korpiola

Korpiola, M. and A. Lahtinen, eds. 2015. *Cultures of Death and Dying in Medieval and Early Modern Europe*. In COLLeGIUM, Studies across Disciplines in the Humanities and Social Sciences, vol. 18; [http://www.helsinki.fi/collegium/journal/volumes/volume\\_18/index\\_18.htm](http://www.helsinki.fi/collegium/journal/volumes/volume_18/index_18.htm) (published 22.05.2015)

Korpiola, M. and A. Lahtinen. 2015. “Cultures of Death and Dying in Medieval and Early Modern Europe: An Introduction,” In *Cultures of Death and Dying in Medieval and Early Modern Europe*, edited by M. Korpiola and A. Lahtinen, 1–31. COLLeGIUM 18 (2015).

Korpiola, M. 2014. « ‘Only the Husband Can Accuse the Wife of Adultery and She Him’: Prosecuting and Proving Adultery in Medieval Sweden.» *Zeitschrift der Savigny-Stiftung für Rechtsgeschichte*, 131. Band, Kanonistische Abteilung, 223-261.

Korpiola, M. 2014. "Gustav Vigeland and Images of Modern Fatherhood." Short (2 pages) blog article published on the blog *Perheen jäljillä: Sukupuoli ja perhesuhteiden moninaisuus Pohjolassa n.1450–2000*: <http://perheenjaljilla.blogspot.fi/> .

Korpiola, M. and J.-P. Hippi. 2014. "Tasa-arvoinen avioliittolaki – pieni vai suuri muutos?" (Equal Marriage Law – Big or Small Change?). *Turun Sanomat*, 11 November 2014, A2.

Korpiola, M. 2015. "The Private Life of Archbishop Johannes Gerechini: Simulated Marriage and Clerical Concubinage in Early Fifteenth-Century Sweden," *Studies in Canon Law and Common Law in Honor of Richard H. Helmholz*, edited by Troy L. Harris, 115-135. *Studies of Comparative Legal History*. Berkeley: Robbins Collection Publications.

Korpiola, M. 2015. "Henrik Ibsen – Defender of Emancipated Women and Father of an Illegitimate Child." Short (2 pages) blog article published on the blog *Perheen jäljillä: Sukupuoli ja perhesuhteiden moninaisuus Pohjolassa n.1450–2000*: <http://perheenjaljilla.blogspot.fi/> .

### **Bodil Selmer**

Selmer, B. 2014. "Arvegods. Om ting, forfædre og efterkommere." In *De dødes Liv*, edited by O. Høiris, T. Otto and A. Bonde Rolsted, 205-220. Aarhus: Aarhus Universitetsforlag.

Selmer, B. 2014. "En vielsesring. Om kærlighed, penge og arv." In *Hverdagens mysterier: etnografiske refleksjoner over ting vi kender, men ikke helt forstår*, edited by N. Bubandt, A. L. Dalsgaard, U. Høj Johnsen and B. Selmer, 203-224. Aarhus: Aarhus Universitetsforlag, (Antropologiske Studier; Nr. 2)

### **Marianne Holdgaard**

Holdgaard, M. 2015. «Indblik, overblik og perspektiv på lovudkast om ægtefællers økonomiske forhold – modernisering eller komplicering?» In *Tidsskrift for Familie- og Arveret*, særnummer udgivet med TFA nr. 2, 213-218.

Holdgaard, M. 2015. «Hvilken legal formueordning skal vi have nu?» In *Tidsskrift for Familie- og Arveret*, særnummer udgivet med TFA nr. 2, 234-249.

## **6.2. Forthcoming publications**

### **Volume one:**

Working Title: *A History of Inheritance Law in the Nordic Countries, 1100–2020* (Eds.: Helle Vogt, Mia Korpiola and Már Jónsson)

- *Introduction* (20 pp.) – Authors: The editors, Lars Ivar Hansen and Bodil Selmer.

- *The formative centuries: The Medieval Foundations of Nordic Inheritance Law ca. 1100-1520* (50 pp.) – Authors: Mia Korpiola, Helle Vogt, Helle Sigh, Lars Ivar Hansen and Auður Magnúsdóttir

- *The reformative centuries: Reformation, Growing Patriarchalism and New Continental Institutions 1500–1800* (50 pp.) – Authors: John Asland, Már Jónsson, Mia Korpiola, Helle Vogt and Helle M. Sigh

- *Modern challenges: Democratization and Individualization of Nordic Inheritance Law 1800–2000* (60 pp.) – Authors: John Asland, Marianne Holdgaard, Helle Vogt, Mia Korpiola and Már Jónsson

- *Contemporary trends and the future of nordic inheritance law 2000–2020* (30 pp.) – Authors: John Asland, Marianne Holdgaard and Bodil Selmer

- Conclusion (10 pp.) – Authors: The editors

- *Timeline with landmarks of nordic inheritance law* (2 pp.)

- *Glossary* (5 pp.)

- *Bibliography* (15 pp.)

- *Index* (8 pp.)

## **Volume two:**

Working Title: “*Space of Action and Legal strategies: The workings of Nordic Inheritance Law through the Ages*” (Eds.: Lars Ivar Hansen, Marianne Holdgaard and Bodil Selmer)

*Introduction* – Authors: The editors.

### *Processes of Inheritance Legislation*

- *Property, kinship and kingship. Changes in Icelandic Inheritance law, c. 1260-1350* – author: Auður Magnúsdóttir, Associate professor, Department of Historical Studies, University of Gothenburg, Sweden
- *The Right Order of Things: Inheritance law in the Legal Literature of the Early Modern Period* – author: Per Andersen, Professor, Department of Law, Aarhus University, Denmark
- *Equal Inheritance Rights for men and woman in Norway in the 19<sup>th</sup> century* – author: John Asland, Professor, Department of Private Law, University of Oslo, Norway
- *Illegitimate children and Inheritance Law in Denmark* – authors: Nathalie Le Bouteillec, Associate professor at University of Picardie Jules Verne and associate researcher at National institute for Demographic researches, France & Marianne Holdgaard, Professor, Department of Law, Aalborg University, Denmark
- *Possibilities and trends in relation to inheritance for unmarried couples in Norwegian Law* – author: Thomas Eeg, Professor, Faculty of Law, University of Bergen, Norway

### *Wills, probate cases, inheritance practices and disputes*

- *Inheritance among by the Bjarkøy-descendants* – author: Astrid Marie Mellem Johnsen, M.A. in history, Tromsø, Norway
- *Virtue Rewarded, Disobedience and Vice Punished: Attitudes towards Inheritance Rights in Swedish Early Modern Law and Practice* – author: Mia Korpiola, Professor, Faculty of Law, University of Turku, Finland
- *Securing inheritance. Probate proceedings in the Nordic countries c. 1200–1800* – author: Mar Jonsson, Professor, Faculty of History and Philosophy, University of Iceland, Iceland
- *Sami Inheritance Practices during the 18<sup>th</sup> century – shown by probate cases* – author: Lars Ivar Hansen, Professor, Department of History and Religious Studies, The Arctic University of Norway, Norway)
- *When no heirs exist – determining next of kind in Danish administrative practice* – authors: Marianne Holdgaard, Professor, Department of Law, Aalborg University, Denmark & Bodil Selmer, Associate professor, Department of Culture and Society, Aarhus University, Denmark
- *Do unmarried cohabitants (in reality) have inheritance rights in Denmark?* – author: Gitte Meldgaard Abrahamsen, Assistant professor, Department of Law, Aalborg University, Denmark
- *Materializing kinship through property inheritance – Cabin Society in Norway* – author: Simone Abram, Dr., Department of Anthropology, Durham University and Leeds University, Great Britain & Marianne Holdgaard, Professor, Department of Law, Aalborg University, Denmark

### *Status of persons and acting options*

- *Guardianship of Minors' Property in Medieval Norse Law* – author: Ian Peter Grohse, Ph.D., Department of Historical Studies, Norwegian university of science and technology, Norway
- *Backwards inheritance in medieval Scandinavian law* – author: Miriam Tveit, Associate professor, Faculty of Social Sciences, University of Nordland, Norway
- *Legal Identities, Children and Inheritance in Denmark from the Thirteenth to Danish Provincial Laws in the Sixteenth Century* – author: Helle Møller Sigh, Ph.d., Director at Strandingsmuseum St. George, Denmark
- *Marital Economy and Inheritance in Fifteenth Century Sweden* - author: Johanna Andersson Raeder, Post doc. and Study Counsellor for Economic History, Stockholm University, Sweden

- *Good for business: Joint property and equal inheritance in burgher marriages in Stockholm 1480–1530* – author: Gabriela Bjarne Larsson, Docent, Associate professor, Department of History, Stockholm University, Sweden
- *The reformation and the donation practices in Iceland during the 16<sup>th</sup> and early 17<sup>th</sup> centuries* – author: Agnes Arnorsdottir, Associate professor, Department of Culture and Society, Aarhus University, Denmark
- *The odelsrett in Norway c. 1200–1800 – decreased or increased importance?* – author: Knut Dørum, professor, Department of Religion, Philosophy and History, University of Agder, Norway

### **Conference anthology**

*Donations, Strategies and Relations in the Latin West/Nordic Countries from the Late Roman Period until Today*, Ole-Albert Rønning, Helle Sigh og Helle Vogt (eds)

*Introduction by the editors.*

Chapter 1. *Gift-giving and Inheritance Strategies in Late Roman Law and Legal Practice, Third- to Sixth-Century* by Professor Caroline Humfress, Birkbeck College, London

Chapter 2. *The Jurisprudence of the Forced Share from Cicero to Justinian* by Professor Charles J. Reid, University of St. Thomas, Minneapolis.

Chapter 3. *The Jurisprudence of the Forced Share in the Middle Ages* by Professor Charles J. Reid, University of St. Thomas, Minneapolis.

Chapter 4. *Out of Love for My Kin: What Donations Can Tell Us about Medieval Aristocratic Family Life* by Professor Amy Livingstone, Wittenberg University, Springfield.

Chapter 5. *Protecting the Individual, the Kin and the Soul – Donation Regulation in Danish and Norwegian Medieval Legislation* by Associate Professor Helle Vogt, University of Copenhagen.

Chapter 6. *From the Freedom of a Christian to the Testamentary Freedom?* by Professor Mathias Schmoeckel, University of Bonn.

Chapter 7. *Memoria and Memory in a Hagiographical and Legal Context in Medieval and Early Modern Iceland* by Associate Professor Agnes Arnórsdóttir, Aarhus University.

Chapter 8. *By Love and by Law: Strategies of Female Donators in Fifteenth and Sixteenth Century Sweden* by Associate Professor Anu Lathinen, Turku University of Applied Sciences

Chapter 9. *Pious donations: Donations, the act of giving in the Lutheran church and its spatial implications*, by curator Martin Wangsgaard Jürgensen, University of Copenhagen.

Chapter 10. *Donations and Public Welfare in Norway 1536-1814* by Professor Jørn Øyrehagen Sunde, University of Bergen.

Chapter 11. *Power and Piety: Honorable Dwellings for Unmarried Gentlewomen and the Dynamics of Donations among the Danish Elite from 1699-1745* by Curator Helle Sigh, Strandingsmuseum St. George, Thorsminde.

Chapter 12. *The Age of Miracles? Alms culture and charitable donations in Copenhagen, c. 1770-1830* by Lecturer Peter Wessel Hansen, University of Copenhagen.

Chapter 13. *Heirlooms or how to Exchange with the Dead: The significance of heirlooms in contemporary Danish inheritance practices* by Associate Professor Bodil Selmer, Aarhus University.

Chapter 14. *Gifts to, from and between Spouses - Present Regulation in the Nordic Countries* by Professor John Asland, University of Oslo.

### **Forthcoming publications by separate group members:**

#### **John Asland**

Asland, J., M. Brattström, I. Lund-Andersen, G. Lind, A. Singer and T. Sverdrup. Forthcoming 2015. *Nordic Cohabitation Law*, European Family Law Series, Cambridge, Antwerp, Portland: Intersentia.

Asland, J. Forthcoming 2015. "The Legal Position of the Surviving Cohabitant." In *Nordic Cohabitation Law*, 161-210. European Family Law Series, Cambridge, Antwerp, Portland: Intersentia.

Asland, J. and M. Reusch. Forthcoming 2016. "Arv, eiendom og ugyldighet." In *Minnebok for Viggo Hagstrøm*.

#### **Már Jónsson**

Jónsson, M. Forthcoming 2016. "Probate records in the Nordic countries 1600 – 1800: Contents, quality and quantity." In *Sjuttonhundratat. Nordic Yearbook for Eighteenth Century Studies 13* (2016).

#### **Audur Magnúsdóttir:**

A. Magnúsdóttir. Forthcoming autumn 2015. "Förövare och offer. Kvinnor, män och våld i det medeltida Island." In *Medeltidens genus. Kvinnors och mäns roller inom kultur, rätt och samhälle. Norden och Europa ca 300-1500*, edited by A. Magnúsdóttir and L. Hermanson.

### **6.3. Other publications**

#### **Helle Vogt**

Miller, W. I. and H. Vogt. 2015. «Finding, sharing and risk of loss: of whales, bee and other valuable finds in Iceland, Denmark and Norway.» *Comparative Legal History*, <http://dx.doi.org/10.1080/20149677X.2015.1041724>

Vogt, H. 2014. "Regional or central? Legislation and law in thirteenth-century Denmark." In *Denmark and Europe in the Middle Ages, c.1000-1525: Essays in Honour of Professor Michael H. Gelting*, edited by K. Hundahl, L. Kjær and N. Lund, 203-214. Farnham: Ashgate.

Vogt, H. 2015. «Absalon: évêque, guerrier et le Richelieu du Danemark.» In *Autour de Lanfranc (1010-2010). Réforme et réformateurs dans l'Europe du Nord-Ouest (XIe-XIIe siècles)*, edited by J. Barrow, F. Delivré and V. Gazeau, 329-342. Caen: Presses universitaires de Caen.

### **Helle Sigh and Helle Vogt**

Andersen, P., K. Salonen, H. Sigh and H. Vogt, eds. 2014. *How Nordic are the Nordic Medieval Laws? Proceedings from the tenth Carlsberg Conference on Medieval Legal History*. Copenhagen: DJØF Publishing.

Sigh, H. and H. Vogt. 2014. "Rights, obligations, domestic relations, and 'ius naturale', the right order of things: A strategy for research into the Nordic medieval laws." In *How Nordic are the Nordic Medieval Laws? Proceedings from the tenth Carlsberg Conference on Medieval Legal History*, edited by P. Andersen, K. Salonen, H. Sigh and H. Vogt, 39-58. Copenhagen: DJØF Publishing.

### **Lars Ivar Hansen**

Hansen, L.I., K. Lundholm, V. Semënov and J. Vahtola. 2015. «Chapter 1. The Dawn of State Formations 800-1550.» in *The Barents Region, A Transnational History of Subarctic Northern Europe*, edited by L. Elenius, 28 - 84. Oslo: Pax Forlag.

Hansen, L.I. 2014. «Samisk navneskikk på 1500- og 1600-tallet.» In *Endre-boka: Postfestumskrift til Endre Mørck*, edited by G. Alhaug, T. Bull and A.-K. Pedersen, 47-67. Oslo: Novus forlag.

Hansen, L.I. 2014. «Integrasjon og omforming ca. 1100 - ca. 1500.» In *Telemarks historie*, vol. 1, edited by Ø. Rian, 129 – 199. Bergen: Fagbokforlaget.

Hansen, L.I. 2014. «The successive integration of Hålogaland and Finnmark into the realm of the king of Norway.» In *Rex Insularum, The King of Norway and his 'Skattlands' as a Political System c. 1260 – c. 1450*, edited by St. Imsen, 347 – 369. Bergen: Fagbokforlaget.

### **Már Jónsson**

Jónsson, M. 2015. "Inngangur / Hitzaurrea / Introducci3n / Introduction. In *J3n Guðmundsson: Spánverjavigin / The Slaying of the Basques*, 25-49, 105-127, 157-180 & 209-233. Reykjavík: Mál og Menning.



Appendix:

*John Asland*, Professor, Department of Private Law, Faculty of Law, University of Oslo, Norway.

*Marianne Holdgaard*, Professor, Department of Law, Aalborg University, Denmark.

*Már Jónsson*, Professor, Institute of History, University of Iceland.

*Mia Korpiola*, Professor, Faculty of Law, University of Turku, Finland.

*Auður G. Magnúsdóttir*, Senior Lecturer, Department of Historical Studies, University of Gothenburg, Sweden.

*Bodil Selmer*, Associate Professor, Department of Culture and Society, Aarhus University, Denmark.

*Helle Møller Sigh*, Head of Department, Strandingsmuseum St. George, Thorsminde, Denmark.

*Helle Vogt*, Associate Professor, Faculty of Law, University of Copenhagen, Denmark.

*Lars Ivar Hansen* (Group leader), Professor, Department of History and Religious Studies, UiT - The Arctic University of Norway.