

# **K.G. Jebsen Centre for the Law of the Sea**

## **Report to the Scientific Advisory Board**

### **October 2018**

## **Part I: Introduction**

This report includes the following information:

*Part II* contains information on the research activities undertaken in the past year (1 September 2017-30 August 2018). The information is presented in format of tables listing the projects undertaken under each of the five work packages and the two Centre projects (II.1), new researchers (II.2), publications (II.3), seminars and conferences organized by JCOS (II.4) and the JCLOS Blog (II.5). In section II.1 each of the WPs and Centre Projects are introduced with information on priorities and ended by an assessment of research activities that are not realized as planned. The plans of JCLOS are included in “Towards a Centre of Excellence: JCLOS Research Plan 2018-21” (see Annex 1).

*Part III* includes plans for 1 September 2018 – 30 August 2019. Similarly to Part II the information on the plans (section III.1) is presented in format of tables listing research projects and other planned activities (section III.2). Section III.1 includes an assessment of the progress and knowledge expected through these planned activities in the individual WP/Centre project.

*Part IV* contains a synthesis report with an overall assessment of the status and progress of the KG Jebsen Centre for the Law of the Sea at the start of its final year with funding by the Stiftelsen (Foundation) K.G. Jebsen. The assessment is based on the objectives set in “Towards a Centre of Excellence: JCLOS Research Plan 2018-21.”

## **Part II: The past year: 1 September 2017 - 30 August 2018**

### **II. 1: Research projects<sup>1</sup>**

#### **WP I: Fundamental Challenges for the Law of the Sea**

The original description of WP I presumes a wide-ranging and comprehensive research agenda. To ensure more systematic and coherent research activity for the remaining project period, a decision was made to focus on two book projects on each of the main subtasks in the project description: “The Development of the Law of the Sea by the International Judiciary” (task 1) and “Interaction of the Law of the Sea with other parts of International Law” (task 2). The key research results from the last part of the project period will only materialize upon the publication of those two books (mid to late 2019). The postdoctoral project (Margherita Poto) and PhD project (Kristine Kraabel) originally located under WP I have been moved to the Centre projects; Climate Change and Law of the Sea and Areas Beyond National Jurisdiction respectively.

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<sup>1</sup> This includes research that is carried out (name of projects)

Task	Research Project	Researcher	Research time
<i>1: Development of the Law of the Sea</i>	PhD-project: The role of the market state in ensuring sustainable fisheries worldwide	Eva van der Marel	Start fall 2014 – Ends fall 2018 <sup>2</sup>
	Book project: Development of the Law of the Sea by the International Judiciary.	Internal authors: Øystein Jensen Davor Vidas Nigel Bankes Nele Matz-Lück	5 ms 3 ms
<i>2: Interaction of the Law of the Sea with other parts of international law</i>	Book project: Interaction of the Law of the Sea with other Parts of International Law	Internal authors: Nele Matz-Lück Øystein Jensen Hilde Woker Elise Johansen Vito De Lucia Maria M. das Neves Endalew L. Enyew/Nigel Bankes Magne Frostad	2 ms 3 ms 3 ms 1 m 1 m 3 m   3 ms

## **WP II: Maritime Boundaries and Limits & Transboundary Cooperation – Alex Oude Elferink**

The research in WP II has been prioritized based on the existing expertise of the participating researchers. In addition, the choice has been made to dedicate significant resources to the book project *Maritime Boundary Delimitation: The Case Law. Is It Consistent and Predictable?* as it is considered that this project could make a significant contribution to the academic debate on the issue and showcase the JCLOS as an leading law of the sea institute. Future research under WP II is limited in scope, apart from the research listed below. During the final conference of JCLOS a presentation is being planned on the main trends and future of limits and boundaries in the law of the sea.

Task	Research Project	Researcher	Research time
<i>2: The CLCS and the outer limits of the continental shelf</i>	Postdoctoral project: “Maritime boundaries: a quest for stability”  Articles: <ul style="list-style-type: none"> <li>The practice of the CLCS in questions concerning submarine Ridges</li> <li>The status of continental shelf limits in the intermediate stage between submission and Recommendation</li> </ul>	Signe V. Busch	6 ms
<i>Task 4: Delimitation of maritime and boundaries</i>	PhD-project: State responsibility in the context of the exploration and exploitation of shared hydrocarbon resource	Natalia Ermolina	Started spring 2014

<sup>2</sup> Eva van der Marel – Defense of dissertation spring 2019

<i>transboundary cooperation</i>			– Ends fall 2018 <sup>3</sup>
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### WP III: Navigation – Erik J. Molenaar

Based on available resources, there has been most activity in task 1 and new research activities are planned under this task. Further, the WP includes a PhD-project in task 2.

Research activities in task 3 have started in 2017/2018 and will be completed in 2018/2019.

Task	Research Project	Researcher	Research time
<i>1: Arctic Shipping</i>	PhD-project: An Analysis of the IMO's Negotiations of the Mandatory Polar Code, with Special Focus on Russia's Role and Behaviour	Dorottya Bogнар, HSE-Faculty*	Started 2015 - Ends spring 2019
	PhD-project: Russian Coastal State Jurisdiction over Commercial Vessels Navigating the Northern Sea Route	Jan Solski	Started fall 2013 - Ends fall 2018 <sup>4</sup>
	PhD-project: The Polar Code: Progressive Development and Implementation	Julia Gaunce	Started August 2018 – Ends August 2022
<i>2: Evolving International Law on Navigation**</i>	PhD-project: The Developing International Law on Coastal State Jurisdiction over Maritime Casualties and Shipwrecks	Iva Parlov	Started spring 2016 - Ends spring 2020
<i>3: Norwegian Implementation of IMO and EU instruments</i>	Implementation of the EU Directive on port reception facilities for ship-generated waste and cargo residues in Norwegian legislation	Ingvild Jakobsen	1,5 m

\*HSE-faculty: Faculty of Humanities, Social Sciences and Education. Bogнар's PhD-position is funded by the RCN project: Arctic Shipping through Challenging Waters.

\*\*Originally named: Flag State Compliance and Performance Assessment. Some of the research in this task has been moved to CCLOS, cf. Henrik Ringbom.

### WP IV: Sustainable and Equitable Utilisation of Marine Resources – Nigel Bankes

In the reporting period, research in task 1 have been undertaken by Neves and Bankes. Further, ecosystem approach (task 3) have been addressed through two new PhD projects and through Dahls research in the context of aquaculture. In task 4, a PhD-project is soon finalized, and will together with a book project end this task. The developing regime for Arctic Ocean fisheries (task 6) will be completed on the basis of the adoption of the CAOFA Agreement. The relationship between law of the sea and science (task 7) is investigated through an on-going PhD project.

Task	Research Project	Researcher	Research time
<i>1: Rights and obligations in relation to the exploitation of energy resources in Arctic</i>	The Legal Framework for Subsea Energy Infrastructure: Balancing the Interests of States, Offshore Energy Investors, and Other Users of the Seas.	Maria das Neves	5 ms
	Continuing work on international unitization arrangements and related framework agreements	Nigel Bankes	1

<sup>3</sup> Natalia Ermolina – Defense of dissertation spring 2019.

<sup>4</sup> Jan Solski – Defense of dissertation spring 2019.

<i>3: Ecosystem approach in aquaculture and fisheries management</i>	PhD project: The Ecosystem Approach: A study of the Ecosystem Approach in International Fisheries Law and the role of RFMOs in this matter	Ingrid S. Andreassen	Started December 2017, ends December 2021
	PhD project: The ecosystem approach to fisheries in areas within national jurisdiction	Bjørn Bakke	Started February 2018, ends February 2022
	Aquaculture Management 2030	Irene V. Dahl	3 ms
	Svalbard Treaty and Svalbard Fisheries Protection Zone	Irene V. Dahl	3 ms
<i>4: The interrelationship between the Law of the Sea and developing international norms relating to the rights of indigenous peoples</i>	PhD Project: The Rights of Indigenous Peoples to Marine Resources under International Law.	Endalew L. Enyew	Started June 2014 - Ends spring 2019
	Book project, The rights of indigenous peoples in marine areas (individual chapters and editing)	Internal authors: Nigel Bankes Endalew L. Enyew Øyvind Ravna, faculty of law	1 m
<i>5. The legal framework for commercial exploitation of living marine resources and aquaculture</i>	Research on legal questions related to the seafood industry based on the principle of protection of legitimate expectations and specifically legal issues concerning the distribution of wild marine resources "belonging to the community in Norway", cf. section 2 of the Sea Resources Act and article 97 of the Constitution.	Svein Kr. Arntzen	6 ms
<i>6. The developing international regime for Arctic Ocean fisheries</i>	International fisheries law and the Central Arctic Ocean	Erik J. Molenaar	1 m
<i>7. Science and the Law of the Sea</i>	PhD project: Law and Science in the Law of the Sea	Hilde Woker	Started fall 2016 – Ends fall 2020

Plans by Arntzen and Dahl (tasks 3 and 4) to develop a monograph on Norwegian fisheries law was shelved in favour of a series of discrete articles.

#### **WP V: Marine Environmental Protection – Elise Johansen/Signe V. Busch**

Task 1 and 3 are considered completed, and work on task 2 and 4 are prioritized towards the ending of the JCLOS period. This is conducted primarily through two PhD-projects, as well as the interdisciplinary MARP-project (Marine Plastic Pollution in the Arctic: Origin, status, costs, and incentives for Prevention). Task 5 is related to the Climate Change project and have been singled out, and are not reported here.

<b>Task</b>	<b>Research project</b>	<b>Researcher</b>	<b>Research time</b>
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2: <i>The challenges of integrated coastal and ocean management</i>	Phd-project: An integrated Approach to Ocean Governance	Lena Schøning	Started spring 2017 – Ends spring 2021
4: <i>Arctic Marine Pollution</i>	Phd-project: What are the possibilities and the limitation of international environmental law to address marine plastic pollution?	Linda Finska	Started spring 2017 – Ends spring 2021
	Interdisciplinary research project: MARine Pollution in the Arctic: Marp	Ingvild Ulrikke Jakobsen  Linda Finska	

## Centre Projects

Both Centre projects were started during the reporting period. They will be concluded during 2019. In 2017/18 the research activities were primarily executed by individual researchers. However, the book projects descriptions were finalized and will be the main activities. Researchers (e.g. Kraabel, Poto, Oude Elferink) originally located in tasks of the WPs have and will undertake their research under the Centre projects.

### Areas Beyond National Jurisdiction – ABNJ – Vito De Lucia

Research project	Researcher	Research time
PhD-project: The Institutional Arrangements Necessary for the Conservation and Sustainable Use of Marine Biodiversity in Areas Beyond National Jurisdiction	Kristine D. Kraabel	Start spring 2017 – Ends Spring 2021
Research, Biodiversity Governance in Arctic ABNJ	Christian Prip	1 m
The Concept of Commons and Marine Genetic Resources	Vito De Lucia	9 ms
Ecosystem Approach in BBNJ process		
The role of adjacent coastal States in designating (and managing) marine protected areas in areas beyond national jurisdiction.	Alex Oude Elferink	2 ms
Book project: International Law and Marine Areas beyond National Jurisdiction: Current Status and Future Trends	Vito De Lucia, Alex Oude Elferink Internal authors to be decided	

Abstract to Polar Law Symposium for presentation on “Compatibility and MPAs in ABNJ” on the part of Vito De Lucia was not submitted due to time constraints and reduced funding from FRAM Center (compared to submitted application).

### Climate Change and the Law of the Sea – CCLOS – Elise Johansen/Signe V Busch

Research Project	Researcher	Research time
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Special edition of Arctic Review of law and Politics: Seven contributions presented at the Tromsø workshop on “Natural Marine Resource Management in a Changing Climate” will be published consecutively during spring/autumn 2018.	Elise Johansen (ed.)	
	Signe V. Busch: Sea Level Rise and Shifting Maritime Limits: Stable Baselines as a Response to Unstable Coastlines”	4 ms
	Irene Vanja Dahl: Adaptation of Norwegian aquaculture to climate change in light of temporal international framework	2 ms
Book project: The Law of the Sea and Climate Change: Part of the Solution or Representing Constraints?	Elise Johansen, Ingvald U. Jakobsen, Signe V. Busch, eds. Internal authors: Davor Vidas Henrik Ringbom Ingvald U. Jakobsen Elise Johansen Maria M. das Neves Signe V. Busch Erik J. Molenaar Irene V. Dahl Christian Prip Margherita Poto Nigel Bankes	
CCLOS project: Ongoing research on 4 articles	Elise Johansen	3 ms

## II. 2: New researchers

Name	WP	Research time
Henrik Ringbom September 2017	WP III and CCLOS	2 months
Ingrid S. Andreassen December 2017	PhD-student WP IV	Full time
Bjørn Bakke February 2018	PhD-student WP IV	Full time
Julia Gaunce August 2018	PhD-student WP III	Full time

## II. 3: Publications

WP	Publication with full citations
I	Øystein Jensen and Nigel Bankes. 2017. “Compulsory and Binding Dispute Resolution under the United Nations Convention on the Law of the Sea: Introduction”. Ocean Development & International Law, Vol. 3-4, 7 p.
	Nigel Bankes and Øystein Jensen (eds). 2017. “Compulsory and Binding Dispute Resolution under the United Nations Convention on the Law of the Sea”. Ocean Development & International Law, Vol. 3-4.
	Nigel Bankes “Precluding the Applicability of Section 2 of Part XV of the Law of the Sea Convention” (2017), 48 (3) Ocean Development and International Law 239 - 268 < <a href="https://doi.org/10.1080/00908320.2017.1328933">https://doi.org/10.1080/00908320.2017.1328933</a> >.

	Davor Vidas. 2018. "The Law of the Sea for a New Epoch?". In Stefanie Hessler (ed), <i>Tidalectics: Imagining an Oceanic Worldview through Art and Science</i> . Cambridge (USA), MIT Press, 2018, pp. 125-134.
	Martin Hennig; Richard Caddell. "On Thin Ice? Arctic Indigenous Communities, the European Union and the Sustainable Use of Marine Mammals", in Liu, Nengye; Kirk, Elizabeth A.; Henriksen, Tore, <i>The European Union and the Arctic</i> , 2017, pp. 296-341.
	Martin Hennig. 2018. "The Untouchable Nature of the 'EU Seal Regime' — Is the European Union Liable for the Damages Suffered by the Canadian Inuit Due to the Violation of WTO Law in EC—Seal Products?". <i>The International Journal of Marine and Coastal Law</i> , Vol. 33, pp. 403-414.
	Margherita Paola Poto; Lara Fornabaio. 2017. "Fathoming the depth of Environmental Governance. Forms of Participation of a Community-Based System in the Arctic". <i>Journal of Academic Perspectives</i> , Vol. 3.
	Margherita Paola Poto. 2017. "Concluding Remarks: Water – The Unifying Element". <i>Berliner Wissenschafts-Verlag</i> , pp. 149 - 155.
	Margherita Paola Poto. 2017. "Stepping Stones Towards a New Order of Environmental Governance". Editorial: <i>Arctic Review on Law and Politics</i> (ISSN 1891-6252).
	Margherita Paola Poto; Lara Fornabaio. 2017. "Participation as the Essence of Good Governance: Some General Reflections and a Case Study on the Arctic Council". <i>Arctic Review on Law and Politics</i> , Vol. 8, pp. 139-159.
	Eva Romée Van Der Marel; Elise Johansen; Richard Caddell. 2017. "Special Section on Innovating for Change in Global Fisheries Governance". <i>Marine Policy</i> , Vol. 84.
	Eva Romée Van Der Marel; Elise Johansen; Richard Caddell. 2017. "Innovating for change in global fisheries governance: an introduction". <i>Marine Policy</i> , Vol. 84, pp. 285-286.
II	A. Oude Elferink, T. Henriksen and S.V. Busch (eds.) <i>Maritime Boundary Delimitation: The Case Law; Is it Consistent and Predictable?</i> (Cambridge University Press, 2018) (433 pp.)
	A. Oude Elferink, T. Henriksen and S.V. Busch "The Judiciary and the Law of Maritime Delimitation: Setting the Stage" (in A.G. Oude Elferink, T. Henriksen and S.V. Busch (eds): <i>Maritime Boundary Delimitation: The Case Law. Is It Consistent and Predictable?</i> Cambridge University Press, 2018) pp. 1-32)
	A. Oude Elferink "Relevant coasts and relevant area – The difficulty of developing general concepts in a case-specific context" (in A.G. Oude Elferink, T. Henriksen and S.V. Busch (eds.): <i>Maritime Boundary Delimitation: The Case Law. Is It Consistent and Predictable?</i> Cambridge University Press, 2018), pp.173-199
	A. Oude Elferink, T. Henriksen and S.V. Busch "Conclusions: Taking Stock and Looking Ahead" (in A.G. Oude Elferink, T. Henriksen and S.V. Busch (eds): <i>Maritime Boundary Delimitation: The Case Law. Is It Consistent and Predictable?</i> Cambridge University Press, 2018) pp. 376-402)
	Signe Veierud Busch «The Delimitation of the Continental Shelf Beyond 200 nm: Procedural issues" (in A.G. Oude Elferink, T. Henriksen and S.V. Busch (eds): <i>Maritime Boundary Delimitation: The Case Law. Is It Consistent and Predictable?</i> Cambridge University Press, 2018) pp.319-351
	Øystein Jensen, «The Delimitation of the Continental Shelf Beyond 200 nm: Substantive Issues" (in A.G. Oude Elferink, T. Henriksen and S.V. Busch (eds): <i>Maritime Boundary Delimitation: The Case Law. Is It Consistent and Predictable?</i> Cambridge University Press, 2018) pp.351-376
	A. Oude Elferink "Paragraph 5(a) of Annex I to the Rules of Procedure of the Commission on the Limits of the Continental Shelf: Solution to a Problem or Problem without a Solution?" (in: M.H. Nordquist, J.N. Moore and R. Long (eds)

	Legal Order in the World's Oceans: UN Convention on the Law of the Sea (Brill Nijhoff, 2018), pp. 302-321
	A. Oude Elferink "Coastal States and MPAs in ABNJ: Ensuring Consistency with the LOSC" International Journal of Marine and Coastal Law 33 (2018) 437–466
III	D. Bognar, "Russia and the polar marine environment: The negotiation of the environmental protection measures of the mandatory Polar Code" 27 RECIEL 35-44 (2018)
	D. Bognar, "The "Elephant in the Room": Article 234 of the Law of the Sea Convention and the Polar Code as an Incompletely Theorized Agreement" 8 The Polar Journal 182-203 (2018)
	M. Frostad, "Naval Blockade", 9 Arctic Review of Law and Politics 195-225 (2018)
	T. Henriksen, "Norway, Denmark (on behalf of Greenland) and Iceland" in R. Beckman, T. Henriksen, K. Dalaker Kraabel, E.J. Molenaar and A. Roach (eds) Governance of Arctic Shipping – Balancing Rights and Interests of Arctic States and User States (Brill/Nijhoff: 2017), pp. 245-295
	T. Henriksen and E.J. Molenaar, co-editors with R. Beckman, K. Dalaker Kraabel and J.A. Roach, Governance of Arctic Shipping – Balancing Rights and Interests of Arctic States and User States (Brill/Nijhoff: 2017)
	E.J. Molenaar, "The Arctic, the Arctic Council, and the Law of the Sea", in R. Beckman, T. Henriksen, K. Dalaker Kraabel, E.J. Molenaar and J.A. Roach (eds), Governance of Arctic Shipping – Balancing Rights and Interests of Arctic States and User States (Brill/Nijhoff: 2017), pp. 24-67
	E.J. Molenaar and T. Henriksen, co-authors with R. Beckman, K. Dalaker Kraabel and J.A. Roach, "Conclusions: Cooperative Mechanisms on Arctic Shipping" in R. Beckman, T. Henriksen, E.J. Molenaar, K. Kraabel and J.A. Roach (eds), Governance of Arctic Shipping – Balancing Rights and Interests of Arctic States and User States (Brill/Nijhoff: 2017), pp. 432-437
	J. Solski, "Russia" in R. Beckman, T. Henriksen, E.J. Molenaar, K. Dalaker Kraabel and J.A. Roach (eds), Governance of Arctic Shipping – Balancing Rights and Interests of Arctic States and User States (Brill/Nijhoff: 2017), pp. 173-216
IV	T. Henriksen, I Dahl, Beskyttelsesregimet for villaks - noen rettslige betraktninger. (The Norwegian salmon protection regime) I: Rettsvitenskap under nordlys og midnattssol. Fagbokforlaget 2018 ISBN 978-82-450-2313-8. s. 81-103
	EL Enyew, "Application of the Right to Permanent Sovereignty over Natural Resources for Indigenous Peoples: Assessment of Current Legal Developments", Arctic Review on Law and Politics, Vol. 8, 2017
	SK Arntzen, "Å sikre sysselsetjing og busetjing i kystsamfunna» in: Rettsvitenskap under nordlys og midnattssol, Trude Haugli et al (red), ISBN: 978-82-450-2313-8
	N. Bankes Book Review: Kristina Schönfeldt (ed), The Arctic in International Law and Policy, in the Series, Documents in International Law (General Editor, Stefan Talmon), Hart Publishing, Oxford and Portland, Oregon, 2017, 1474pp, + Table of Contents xxix, + Index 9pp, (2018) 9 Arctic Review on Law and Politics 67 – 71.
	N. Bankes, "Agreement between the Government of Canada and the Government of the French Republic relating to the Exploration and Exploitation of Transboundary Hydrocarbon Fields" in Coalter Lathrop (ed), VIII International maritime Boundaries, Brill, American Society of International Law, 2017, Report Number 1-2(2) pp 1 - 14.
V	Johansen, Elise: Norway's Integrated Ocean Management: A Need for Stronger Protection of the Environment? Ocean Yearbook 2018 ;Volum 32.(1) p. 239-263
	Johansen, Elise: The EU Influence on Norwegian Domestic Legislation for the Protection of the Arctic Marine Environment. The International Journal of Marine and Coastal Law 2017 ;Volum 33. s. 1-21



	Johansen, Elise: Innovating for change in global fisheries governance: an introduction. <i>Marine Policy</i> 2017 ;Volum 84. s. 285-286 (Introduction written co-authored with Eva van der Marel and Richard Caddell)
	Schønning, Lena. Good Governance Tools: Cross-Pollination from Nordic Corporate Law. <i>Arctic Review on Law and Politics</i> 2017. ISSN 1891-6252
	Jakobsen, Ingvild Ulrikke; Integrated Ocean Management in the Arctic: Comparative Analyses of the Implementation and Use of Marine Protected Areas in Canada and Norway, <i>Ocean Yearbook</i> 2018, Vol. 32, p. 206-239
	Jakobsen, Ingvild Ulrikke; Rettslig regulering av marin plastforurensning I havområdene utenfor Svalbard. <i>Fagbokforlaget</i> 2017, p. 151-174
	Prip, Christian; The Convention on Biological Diversity as a legal framework for safeguarding ecosystem services. <i>Ecosystem Services</i> , Vol 29, Part B, 2018, pp. 199-204.
ABNJ	V. De Lucia, The Arctic Environment and the BBNJ Negotiations: Special rules for Special Circumstances?, <i>Marine Policy</i> , 86, 2017, 232
	V. De Lucia, and G. Andreone (eds), <i>Ocean Commons. Common Heritage, Marine Genetic Resources and Biodiversity Conservation in Areas beyond National Jurisdiction</i> , Special Issue of the <i>Maritime Safety and Security Law Journal</i> , forthcoming 2018
	V. De Lucia, <i>Marine Genetic Resources in Areas Beyond National Jurisdiction and the Narrative of the Commons</i> in De Lucia, V. and G. Andreone (eds), <i>Ocean Commons. Common Heritage, Marine Genetic Resources and Biodiversity Conservation in Areas beyond National Jurisdiction</i> , Special Issue of the <i>Maritime Safety and Security Law Journal</i> , forthcoming 2018
	V. De Lucia, <i>Le Risorse Genetiche Marine in Aree al di fuori della Giurisdizione Statale come Global Commons?</i> <i>Rivista Marittima</i> 2017.s 37 – 42
	Kristine Kraabel, The BBNJ PrepCom and Institutional Arrangements: The Hype about the Hybrid Approach, in M. Nordquist, J. Moore, and R. Long (eds) <i>The Marine Environment and UN Sustainable Development Goal 14 (Life Below Water)</i> (Brill/Nijhoff Publishing, 2018).
	Alex Oude Elferink, Coastal States and MPAs in ABNJ: Ensuring Consistency with the LOSC, 33:3 <i>The International Journal of Marine and Coastal Law</i> , 2018, 437
CCLOS	Johansen, Elise: Norges nye klimalov. I: <i>Rettsvitenskap under nordlys og midnattssol</i> . Fagbokforlaget 2018 ISBN 978-82-450-2313-8. s. 175-196
	Johansen, Elise: Climate Change and the Arctic: Legal Regulations in Changing Times, in <i>The Marine Environment and UN Sustainable Development Goal 14</i> , Virginia Commentary, Koninklijke Brill NV, P.O. Box 9000, 2300 PA Leiden, The Netherlands
	Busch, Signe Veierud: “Klimaendring som geopolitisk factor: Er FN’s havrettskonvensjon rustet til å håndtere havnivåstigning?” in <i>Rettsvitenskap under nordlys og midnattssol</i> (eds. Haugli, Trude; Eriksen, Gunnar Ketil; Jakobsen, Ingvild Ulrikke), Fagbokforlaget 2018.
	Busch, Signe Veierud: “Sea Level Rise and Shifting Maritime limits: Stable Baselines as a Response to Unstable Coastlines” in <i>Arctic Review on Law and Politics</i> , 2018.

#### II.4: Seminars/workshops/Outreach organized by JCLOS

Name of seminar	JCLOS researchers with presentation	WP
<a href="#">Outreach-seminar at Norges Råfisklag</a> Tromsø, September 2017	Tore Henriksen, Elise Johansen, Svein Kr. Arntzen	WP IV
<a href="#">At-Sea Enforcement and Naval Warfare</a> Tromsø, 20 September 2017, as part of the 2017 JCLOS Centre Days	Iva Parlov, Magne Frostad	WP III

<a href="#">Havets hemmeligheter (Secrets of the Sea): Bryter Norge Grunnloven ved å utvinne olje?</a> Tromsø, 19 October 2017	Tore Henriksen, Ingvild Jakobsen	WP V
<a href="#">Havets hemmeligheter (Secrets of the Ocean) Siste sang for hvalen? (The last song of the whales? Marine Plastic Pollution)</a> November 2017, Tromsø	Linda Finska	WP V
<a href="#">Book launch: Governance of Arctic Shipping: Balancing Rights and Interests of Arctic States and User States</a> Tromsø, Arctic Frontiers 2018, 24 January	Jan Solski, Tore Henriksen	WP III
Havets hemmeligheter (Secrets of the Sea): Hvem har retten til Svalbards ressurser? Tromsø 15 February 2018	Tore Henriksen, Irene Vanja Dahl, Geir Hønneland	WP V
Author's workshop, Nele Matz-Lück et al. (eds.) The Law of the Sea: Interactions with other legal regimes, normative context and disciplinary interfaces. Tromsø, February 23 and 24	Øystein Jensen, Nele Matz-Lück, Maria M. das Neves, Hilde Woker, Elise Johansen, Vito De Lucia, Magne Frostad, Endalew L. Enyew and Nigel Bankes	WP I
<a href="#">Climate change, Coasts and Precaution</a> Co-organized workshop by JCLOS and Elisabeth Haub School of Law, Pace University, USA, April 2018.	Elise Johansen, Ingvild U. Jakobsen	CCLOS
<a href="#">Book Launch: Maritime Boundary Delimitation: The Case Law. Is it Consistent and Predictable?</a> Peace Palace, Hague, The Netherlands – May 2018	Alex Oude Elferink, Tore Henriksen	WP II
<a href="#">Indigenous Rights in Marine Areas</a> Tromsø, June 7 & 8; authors' workshop;	Nigel Bankes, Endalew L. Enyew, Margherita Poto and Øyvind Ravna (UiT, Faculty of Law)	WP IV
<a href="#">Mapping the Arctic Ocean</a> Tromsø, June 2018, Interdisciplinary workshop	Ingvild U. Jakobsen, Vito De Lucia	WP V
New Knowledge and Changing Circumstances in the Law of the Sea Co-organized by JCLOS, The Law of the Sea Inst. Iceland and the Korea Maritime Inst. in Reykjavik, 28-30 June 2018;	Vito De Lucia, Erik J. Molenaar, Signe V. Busch	WP IV
<a href="#">Havets hemmeligheter (Secrets of the Ocean) Biodiversity in Areas National Jurisdiction: Regulating and Protecting the Marine Genetic Resources of the Deep Sea</a> Tromsø, August 2018	Vito De Lucia	ABNJ

## **II.5: The JCLOS blog**

Visitors on the blog website: 3 756 users.

<b>Name of blog post</b>	<b>Author</b>	<b>Date</b>
Assessing the role of equity in fisheries allocation decisions	Maddalena H.L. Visser (External contributor)	31 August 2018
When crocodiles and kangaroos dance together, anything is possible: Report of the Timor-Leste and Australia Conciliation Commission	Nigel Bankes	29 May 2018
Maritime Delimitation in Ghana/Côte d’Ivoire: Predictability ... with an Occasional Glitch	Alex Oude Elferink	6 February 2018
Towards Normative Coherence in the International Law of the Sea for the Conservation and Sustainable Use of Marine Biological Diversity of Areas Beyond National Jurisdiction	Anna-Maria Hubert and Neil Craik (External contributor)	1 February 2018
Did the latest Resolution on Marine Plastic Litter and Microplastics take us any closer to pollution-free oceans?	Linda Finska	10 January 2018
Opposite or adjacent – does it make a difference? Delimiting the continental shelf beyond 200 nm	Signe V. Busch	1 December 2017
State responsibility for unilateral hydrocarbon activities in disputed maritime areas: The case of Ghana and Côte d’Ivoire and its implications	Natalia Ermolina and Constantinos Yiallourides (External contributor)	23 November 2017
way towards strengthened marine cooperation in the Arctic	Christian Prip	3 November 2017
ITLOS Judgment in the Maritime Boundary Dispute between Ghana and Côte d’Ivoire	Nigel Bankes	27 October 2017
EFTA Surveillance Authority Rejects Complaint Against Norway Related to Snow Crab Fisheries	Maria Madalena das Neves	16 October 2017

## **Part III: The coming year: 1 September 2018 – 31 August 2019**

### **III.1. Planned research projects**

#### **WP I: Fundamental challenges for the Law of the Sea**

<b>Task</b>	<b>Research project</b>	<b>Researcher</b>	<b>Research time</b>
<i>1: Development of the Law of the Sea</i>	Book project: The Development of the Law of the Sea by the International Judiciary	Øystein Jensen	1,5 ms
		Davor Vidas	1,5 ms
<i>2: Interaction of the Law of the Sea with other parts of international law</i>	Book project: Interaction of the Law of the Sea with other Parts of International Law	Nele Matz-Lück	

Upon completion in 2018/19, Van der Marel's PhD research will also deliver on task 1 (state practice). The book on the interpretive practice of courts and tribunals will deliver extensively on the role of the judiciary (task 1). Under task 2 – Interaction – main research results thus far emanate from the work of Vidas. However, the book project on interaction of the law of the sea with other international law will contribute extensively to task 2. The two book projects will be finalized during 2019.

#### **WP II: Maritime Boundaries and Limits & Transboundary Cooperation – Alex Oude Elferink**

<b>Task</b>	<b>Research project</b>	<b>Researcher</b>	<b>Research time</b>
<i>2: The CLCS and the outer limits of the Continental Shelf</i>	Postdoctor project: "Maritime boundaries a quest for stability"  <ul style="list-style-type: none"> <li>• Disputes continental shelf delineation</li> <li>• The Status of continental shelf limits in the intermediate stage between submission and Recommendation</li> </ul>	Signe V. Busch	6 ms

Task 2, work of the CLCS, includes the postdoctoral project of Signe Busch to be completed in 2019. Her work, together with a large number of individual contributions are a significant voice in the academic debate on this issue. Task 4 will be finalized by Natalia Ermolina's dissertation spring 2019.

#### **WP III: Navigation – Erik J. Molenaar**

<b>Task</b>	<b>Research project</b>	<b>Researcher</b>	<b>Research time</b>
<i>1: Arctic Shipping</i>	PhD-project	Dorottya Bogнар	Ends in 2019
	PhD-project	Julia Guance	Ends in 2022
	Postdoc-project: Regulating shipping in Russian Arctic Waters: Between international law, national interests and geopolitics – SIRAW	New project RCN-funded	Expected to start early 2019
<i>2: Evolving International Law on Navigation</i>	PhD-project	Iva Parlov	Ends in March 2020
<i>3: Norwegian implementation of IMO and EU instruments</i>	Implementation of MARPOL 73/78 and the EU Directive on Port Reception Facilities in Norwegian Legislation	Ingvild U. Jakobsen	1,5 ms

<i>4: Maritime security and enforcement at sea</i>	Naval warfare	Magne Frostad	3 ms
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Dorottya Bognar and Jan Solski will complete their PhD projects under task 1, fall 2018/spring 2019. During 2018/19 efforts to strengthen and ensure future continuity of the research capacity and output in task 1 will materialise, by the commencement of Julia Gaunce's PhD-project and the new RCN-funded project: 'Regulating Shipping in Russian Arctic Waters: Between international law, national interests and geopolitics (SIRAW)' Task 2 will be continued by the work of Parlov and task 3 will be finalized (article by Jakobsen).

#### **WP IV: Sustainable and Equitable Utilisation of Marine Resources – Nigel Banks**

<b>Task</b>	<b>Research Project</b>	<b>Researcher</b>	<b>Research time</b>
<i>1: Rights and obligations in relation to the exploitation of energy resources in Arctic</i>	<ul style="list-style-type: none"> <li>The Legal Framework for Subsea Energy Infrastructure: Balancing the Interests of States, Offshore Energy Investors, and Other Users of the Seas - Two articles</li> <li>Norway's country report (2017) for the Yearbook of International Environmental Law (forthcoming)</li> <li>Book chapter "Hydropower developments in the EU (with special attention to some national regimes, Norway, France, Italy, and Portugal)"</li> <li>Book chapter on "Offshore Renewable Energy" for Elise's Project "Law of the Sea and Climate Change: Part of the Solution or Representing Constraints"–</li> <li>Norway's country report (2018) for the Yearbook of International Environmental Law (February)</li> </ul>	Maria M. Das Neves	6 ms
	<ul style="list-style-type: none"> <li>Settling the Maritime Boundaries Between Timor-Leste and Australia in the Timor Sea</li> <li>The Use of sub-seabed transboundary geological formations for the disposal of carbon dioxide</li> <li>Managing environmental risks through the terms of maritime delimitation and related agreements</li> </ul>	Nigel Banks	2 ms
<i>3: Ecosystem approach in aquaculture and fisheries management</i>	PhD project	Ingrid S. Andreassen	Ends December 2021
	PhD- project	Bjørn Bakke	Ends February 2022
	Sanksjonsapparatet innen fiskeri og havrett	Irene V. Dahl	6 ms

	Førstehåndsomsetning av fangst på Svalbard		
4. <i>The interrelationship between the Law of the Sea and developing international norms relating to the rights of indigenous peoples</i>	PhD Project	Endalew L. Enyew	Ends spring 2019
	Book project on indigenous rights in marine areas to be published by Hart N Bankes (with R Allen and Ø Ravna)	Internal authors: Nigel Bankes Endalew L. Enyew	
5. <i>The legal framework for commercial exploitation of living marine resources and aquaculture</i>	<ul style="list-style-type: none"> <li>Fisheries Concessions as Collateral and Sustainable allocation of harvest rights in the Norwegian saltwater fisheries</li> <li>Article on fair distribution of individual vessel quotas</li> </ul>	Svein Kr. Arntzen	6 ms
6. <i>The developing international regime for Arctic Ocean fisheries</i>	Articles in: <ul style="list-style-type: none"> <li>Participation in the Central Arctic Ocean Fisheries Agreement”, in A. Shibata et al (eds) Emerging Legal Orders in the Arctic: The Role of Non-Arctic Actors (Routledge: forthcoming in 2019). Co-editor, with R. Caddell</li> </ul>	Erik J. Molenaar	
	The CAOFA Agreement in the Broader Context of International Law	Erik J. Molenaar	1 m
7: <i>Science and the Law of the Sea</i>	PhD-project	Hilde Woker	Ends fall 2020

Das Neves is focusing on energy projects as competing uses of the EEZ (task 1) as well as publishing elements of her thesis. The employment of Bakke and Andreassen as PhD fellows positions us well to discharge our obligations under task 3 with respect to fisheries and the ecosystem approach building on earlier and continuing work by Dahl. Enyew's PhD project combined with the edited collection to be published by Hart on indigenous rights in marine areas positions us well to deliver on Task 4.

#### **WP V: Marine Environmental Protection – Elise Johansen/Signe V. Busch**

<b>Task</b>	<b>Research project</b>	<b>Researcher</b>	<b>Research time</b>
2: <i>The challenges of integrated coastal and ocean management</i>	PhD-project	Lena Schønning	Ends January 2021
4: <i>Arctic Marine Pollution</i>	PhD-project	Linda Finska	Ends April 2021
	The MARP-project: Two articles	Linda Finska Ingvild U. Jakobsen	1,5 m

The PhD project (Lena Schønning) will cover our obligations under task 2 concerning the challenges of Integrated Coastal and Ocean Management, whilst the PhD-project of Linda Finska combined with the efforts of Ingvild Jakobsen in the interdisciplinary MARP project will address task 4. The work of WP5 is on route, and will be completed with the submission of the two PhDs in 2021.

#### **Areas Beyond National Jurisdiction – ABNJ – Vito De Lucia**

Research project	Researcher	Research time
PhD-project:	Kristine D. Kraabel	Ends Spring 2021
Article on the links and differences between the Convention on Biological Diversity and the process under LOSC to develop an international legally binding instrument on BBNJ (TITLE TBC)	Christian Prip Vito De Lucia	1 m 1 m
Article on the potential implications of a new global BBNJ instrument on Arctic Ocean governance	Christian Prip	2 m
Book Chapter, The Ecosystem Approach to Marine Biodiversity Conservation in Areas Beyond National Jurisdiction	Vito De Lucia	1 m
ABNJ Book project: International Law and Marine Areas beyond National Jurisdiction: Current Status and Future Trends, Vito De Lucia, Alex Oude Elferink (and Lan Nguyen), editors	Alex Oude Elferink Vito De Lucia Margherita Poto Tore Henriksen Ingvild U. Jakobsen Iva Parlov and Henrik Ringbom Kristine Kraabel Authors to be confirmed	2 ms 3 ms 3 ms 3 ms

#### Climate Change and the Law of the Sea – CCLOS – Elise Johansen/Signe V Busch

Research Project	Researcher	Research time
Book project: The Law of the Sea and Climate Change: Part of the Solution or Representing Constraints?	Elise Johansen, Ingvild U. Jakobsen, Signe V. Busch, eds. Internal authors: Davor Vidas Henrik Ringbom Ingvild U. Jakobsen Elise Johansen Maria M. das Neves Signe V. Busch Erik J. Molenaar Irene V. Dahl Christian Prip Margherita Poto Nigel Bankes	1,5 ms 2 ms 1,5 ms 3 ms 3 ms 2 ms 3 ms 3 ms
CCLOS project: ongoing research on 4 articles	Elise Johansen	3 ms

### III. 2: Planned workshops/seminars/outreach

Name of seminar	JCLOS researchers with presentation	WP
Workshop on The International Maritime Organization and Implementation Tromsø, September 2018	Iva Parlov, Henrik Ringbom, Ingvild U. Jakobsen, Dorottya Bognar, Julia Gaunce	WP III
Side Event in the UN: To discuss implications of a future BBNJ	Vito De Lucia, Kristine Kraabel, Christian Prip	ABNJ

agreement for Arctic Biodiversity Governance		
Underwater Mining Conference, org. a Law of the Sea Session, Bergen, September 2018	Maria Madalena das Neves	WP IV
7th Colloquium of the International Association of the Law of the Sea Co-organized with Univ. of Porto, Univ. of Lisbon. Lisbon, September 2018	Erik J. Molenaar	WP IV
Mini seminar (outreach) in Law of the Sea, Tromsø, September 2018,	Irene V. Dahl, Svein Kr. Arntzen, Bjørn Bakke, Ingrid S. Andreassen	WP IV
The 11 <sup>th</sup> Polar Law Symposium Tromsø, October 2018	Nigel Bankes, Tore Henriksen, Erik J. Molenaar, Kristine Kraabel, Lena Schøning, Elise Johansen, Christian Prip, Maria das Neves, Margherita Poto	
Secrets of the Sea – Havets hemmeligheter Tromsø november 2018	TBD	
Arctic Frontiers Tromsø January 2019	MARP-project, Alex-project, ABNJ - project	
Authors workshop CCLOS book project Tromsø January 2019	All authors	CCLOS
Havets hemmeligheter Tromsø February 2019	TBD	
Side-event BBNJ IGC-2, New York, March/April 2019	Contingent on funds availability	ABNJ
Author's workshop April 2019	Book project	ABNJ
Havets hemmeligheter Tromsø, mai/juni 2019	TBD	CCLOS
Stakeholder seminar Tromsø or Oslo September 2019		CCLOS
End – Conference JCLOS Tromsø 19 – 20 September 2019	Results from the JCLOS period	All

## Part IV: The synthesis report

Below there is a table showing the aggregated results of JCLOS (2013-2018) compared with the goals set in the original project proposal (IV.1). In pursuing its objective of becoming a world-leading centre of excellence, as set out in “Towards a Centre of Excellence” (see annex 1), JCLOS have set some operational objectives. The status of these objectives is provided in section IV.2.

### IV.1 Results, goals and status in relation to the original project description (as of August 2018)

	Goal	Status
PhD-projects	17 PhD	4 finalized (13 ongoing projects)



Postdoctor Fellows	2	4
Permanent positions	2 – 3	3
Publications <sup>5</sup>	Articles: 60 Chapter in book Monography: 20 Anthology: 3	131 97 5 <sup>6</sup> 3 <sup>7</sup>
Feature articles, interviews s.o.	Interviews: 4/year	45
Seminars/workshops	12	30
Summer Schools	2	2
Outreach seminars	6	16
Applications for external sources (EU, RCN, others)	Goal: be proactive	2 applications for Marie Curie 1 H2020 CSA 7 RCN applications 7 other sources  1 Marie Curie funded RCN:3 projects funded, 1 is under assessment, 4 rejected

## IV.2 Status of JCLOS September 2018

The status of the Centre will be based on the operational objectives set out in section I of “Towards a Centre of Excellence” (See Annex 1).

### 1. Prioritize, and by 2019 finalise the remaining tasks of the original JCLOS project proposal

JCLOS has made priorities for the remaining period, as shown in Parts II and III. These priorities as described in “Towards a Centre of Excellence”, section II.1 are *inter alia* based on recommendations of the Scientific Advisory Board.

In the following, some assessments of the status of the different WPs as of September 2018 are provided.

**WP I** has resulted in publishing and peer-review activity, PhD recruitment, outreach activities and new research collaboration. The WP has produced several publications annually (cf. above and earlier reports). Two PhD researchers have been recruited. WP I has organized or co-organized several events, such as a stakeholder seminar at FNI early in the project period and the workshop “The EU as a Global Actor in the Arctic” in Tromsø in 2015. New research collaboration includes FNI guest researcher Yoshinobu Takei, (first phase of the project) Marie Curie Fellow Claudia Cinelli (mid phase) and post-doc Margherita Poto (until 2017).

**WP II** has delivered on a number of the tasks as originally defined through a number of monographs, and edited volume and peer-reviewed articles. WP II has contributed to develop expertise on the issues of boundaries and limits.

<sup>5</sup> In 2017, 72.7 % of JCLOS publications were on level 2 (best level in the Norwegian register for scientific journals, series and publishers.

<sup>6</sup> 11 monographies and 2 article-based PhD is expected

<sup>7</sup> 6 more are planned

**WP III** has produced a significant amount of publications, given a large number of presentations and have organized various activities. The recent efforts on drafting research project proposals is aimed at ensuring future research capacity in the law of the sea at UiT the Arctic University of Norway.

**WP IV** has delivered on most of its tasks resulting in a large numbers of publications and other academic activities. There will be further research particularly through the project “The Legal Framework for Subsea Energy Infrastructure” (task 1) and on the legal framework for commercial exploitation of living marine resources and aquaculture (tasks 3 and 5).

**WP V** has to large extent succeeded in its overall goal to analyse the legal regime for marine environmental protection with a particular emphasis on the marine environment and ecosystem in the Arctic. The members of the WP have delivered major results, by means of publishing activities, outreach, PhD-recruitment and new research collaboration. As a result of the JCLOS becoming a partner in an interdisciplinary project on plastic pollution funded by the Norwegian Research Council: ‘Marine Plastic Pollution in the Arctic: Origin, Status, Costs and Incentives’, the first of the two subtasks on prevention of land-based pollution and pollution from seabed activities changed its approach. JCLOS contributes with an ongoing PhD project by Linda Finska titled ‘What are the possibilities and the limitations of international environmental law to address marine plastic pollution?’ and research conducted by Ingvild U. Jakobsen. Through its efforts in the MARP-project, WPV contributes to interdisciplinary research, on one of the major challenges in the current time. The PhD-students in the WP are generally commended for presenting their research widely, and participating in the public debate.

**ABNJ** is progressing according to its approved plan, albeit with a slight delay. The project has produced both academic outputs in the form of peer-reviewed publications and book chapters. It has also organized or participated to a number of outreach events that are policy-relevant and maintain an open dialogue with the policy community, but also with the general public, especially in relation to the ongoing BBNJ project. The ABNJ project has also secured external funding that is generating outputs and outreach in relation to Arctic ABNJ.

**CCLOS** has been developed from the basis of Task 5 of WP V, however broadening the scope of the task extensively. The project highlights and focus on one of the main challenges in current time, namely climate change, and raises the important question if the Law of the sea can offer solutions, or represents constraints in facing such challenges. The CCLOS book will offer insights and recommendations by a number of highly recognized climate change researchers addressing the extent to which the law of the sea can contribute to achieve the objectives of the UN Climate Change regime by identifying the potential and the possible restraints of the law of the sea to assist in mitigation and adaptation endeavours. The ongoing work in the CCLOS project, has also contributed to widening our international network, and resulted in a very productive collaboration with, amongst others, Pace University. The work in the CCSOS project facilitates for continued law of the sea research in Tromsø on a highly topical subject, and strengthens the Centre’s international network, where there is great potential for inter- and multidisciplinary collaboration.

**JCLOS:** Drawing the conclusions and identifying the overall results of JCLOS will be the main objective and purpose of the end conference scheduled for September 2019.

## **2. Coordinate, concentrate and focus its research activities beyond 2019 to consolidate its position as a Centre for the Law of the Sea**

The two Centre projects were developed to address the need for coordination and focus of the research activities of JCLOS. The decision was taken based partly on self-assessments after first years' of operation and on the recommendations of the Mid-term evaluation committee.

The consequence is that research originally planned for different tasks of the WPs have been moved to either of the two projects. We have also sought to involve PhD students in these projects to the extent there is an academic overlap. The two book projects of WP I, thematically scoped are also aimed ensuring more coordination and focus. The results of these projects and the experiences made through them are important foundation for the research activities planned for the interim period (See Annex 1: Towards a Centre of Excellence, section II.2). In the interim period, the Centre is to have a complete thematic approach.

## **3. Enhance the scientific quality of its research staff, develop a proposal for a Centre of Excellence on the law of the sea, and submit the proposal to the Research Council of Norway**

In accordance with the call of the Foundation, an important objective of JCLOS has been to build a group of excellent law of the sea researchers. This has been done through both recruitment and enhancement of the scientific quality of the staff. The leadership has established a programme for career planning directed at the staff after defending their PhD thesis. This has included strategies for research and publications, inter alia identification of relevant journals and publishers. The research staff has also been increasingly involved as project leaders (e.g. Signe Busch, Vito De Lucia, Elise Johansen and Maria das Neves). Several of the PhD Candidates have been permanently employed during the funding period.

The Working Group established to prepare for an application for a Centre of Excellence has continued its work, inter alia on the basis of comments from the 2017 meeting with the Scientific Advisory Board. The group has drafted a paper setting out the objective, main research questions and elements of a possible CoE, which will be presented and discussed with the Scientific Advisory Board (see separate item for the meeting).

The JCLOS leadership is in dialogue with the Dean of the Faculty and the Rector of the University regarding the status of the Centre after September 2019. According to the newly adopted strategy of the Faculty of Law, it is to apply for a Centre of Excellence. Both the Faculty and the University will provide extra resources and support enabling the Centre to maintain its activities after September 2019 and to apply for a Centre of Excellence status. The Faculty has set a side funding to renew the contracts with the adjunct professors (Bankes, Molenaar, Oude Elferink and Ringbom). The University is likely to allocate 3 PhD/postdocs to the Centre. Together with funds set aside by JCLOS, this will provide the Centre with adequate resources in the interim period. The Centre also aims at funding some of its projects through external funding (e.g. Research Council of Norway).

## **4. Maintain high quality in all its research activities;**

One way of documenting the quality of the research at the Centre is through its publications. The numbers of publications are higher than originally planned and a large share of them are on level 2 (see IV.1). Journals and publishers on level 2 are of high quality.

“Towards a Centre of Excellence” includes the following goals for publications for period 2018 – 22 (see Annex 1, its Part III):

- 6 Book projects – are planned and under execution
- 25 book chapters (some included in the book projects)
- 39 articles
- 5 PhD monographs in 2019 (+ 6 PhD monographs and 2 anthologies (PhD) 2020,2021,2022)

Summarizing the list of publications (see section II.3) for period 1 September 2017 – 30 August 2018:

- 17 articles (7 on level 1 and 10 on level 2),
- 2 books (level 2)
- 20 book chapters (6 on level 1 and 14 on level 2),

Further, we expect 5 PhD defenses during 2019.

## **5. Communicate and collaborate with relevant user groups;**

All members of JCLOS has contributed to manifesting JCLOS as a prominent contributor to the public debate through a broad specter of platforms, such as chronicles, radio interviews, outreach cruise, “the secrets of the oceans, the JCLOS blog, seminars with stakeholders s.o. This is exemplified several places in the report, cf. tables II.4 and II.5.

## **6. Actively engage national and international researchers in law and cross-disciplines in its projects; and**

The Centre will maintain and develop collaboration with national and international researchers through our projects. In the reporting period, we have sent 4 applications to the RCN:

- Arctic Seaborne Tourism: Multi-Level Regulation and Cooperation (rejected, then reviewed and sent again, see below).
- Polar Seaborne Tourism in the Context of the Law of the Sea and International Institutions (POSEATOU), (under assessment).
- Marine Scientific Research in the Central Arctic Ocean: Balancing the Promotion of Research with Justified Restrictions, (rejected).
- Regulating shipping in Russian Arctic Waters: Between international law, national interests and geopolitics – SIRAW, (approved).

1 application for Tromsø forskningsstiftelse (Tromsø research foundation):

- An Integrated Legal Approach to Ocean Governance (IntOGov), (rejected)

All project applications included national and international collaboration with existing and new partners, such as FNI, other Faculties at UiT, Univ. of Bergen, Dalhousie, Russian partners, new partners in the Netherlands and individual researchers (Ellen Hey, Oran Young, Aldo Chircop, Joanne Scott, s.o.

Members of JCLOS are also included in five interdisciplinary project applications at UiT:

- AquaFuture - The future technologies and management for sustainable growth in aquaculture, (Irene V. Dahl).
- Food from the Oceans, (Ingvild U. Jakobsen).
- Plastic pollution - time for a multi-disciplinary vision, (Ingvild U. Jakobsen).
- Invisible Threats to Security, (Tore Henriksen, Magne Frostad)
- Digitalization of marine genetic resources, (Vito De Lucia)

## **7. Develop applications for external funding from other sources (e.g. Horizon 2020).**

Consistent with the objective, Centre Staff has submitted projects for external funding or has participated as partners. Some of the projects are listed above. The Centre will concentrate on seeking funding that will strengthen and develop our research plan priorities.

An application to the European Research Council's research programme "Advanced Grant" is planned. Such an application will strengthen the planned research projects at the Centre during the mid-term period.