

# MINUTES

SUBJECT: NorDataNet – Norwegian Scientific Data Network, User Meeting Autumn 2018	
MEETING PLACE: Geophysical Institute, University of Bergen	TIME: 15 November 2018
PARTICIPANTS: Øystein Godøy (ØG), Harald Sodemann (HS), Torill Hamre (TH), Stein Sandven (SS), Birgitte Rugaard Furevik (BF), Anton Korosov (AK), Morten Wergeland Hansen (MWH), Jenny Ullgren (JU), Benjamin Pfeil (BP), further participants	DISTRIBUTION: open
OUR REF.:	DATE: 21 November 2018

ITEM	STATUS	RESPONSIBLE
	<b>Morning: Seminar for researchers on open sharing of data</b>	
1	Presentation Ulrike Jaekel, given by Øystein Godøy: Forskningsrådets retningslinjer for datahåndtering. Questions: <ul style="list-style-type: none"> <li>Project data needs to be archived for used after project terminates. Where is the limit for data being relevant for archive? ØG: Determined by data management plan of funding proposal.</li> <li>How about effort and costs for data archiving in project? ØG: Costs are eligible for project funding, expected in good project management.</li> </ul>	
2	Presentation Birgitte R. Furevik: Bruk og gjenbruk av data fra Ferjefri E39-prosjektet. (Use and re-use of data of the «ferry-free» E39 project) <ul style="list-style-type: none"> <li>Summarised challenges encountered in data re-use: community standards, not ISO standards; licenses rarely used; data citation / DOIs often not available.</li> </ul>	

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	<p>Questions:</p> <ul style="list-style-type: none"> <li>JU: question how to document provenance and workflow? MF: Will be taken up later in student seminar.</li> </ul>	
3	<p>Presentation Anton Korosov et al.: Challenges and solutions related to the use of data from different sources</p> <ul style="list-style-type: none"> <li>Introduction to GeoSPAAS VRE of NERSC.</li> <li>Use of OPeNDAP and WMS services</li> </ul> <p>Questions:</p> <ul style="list-style-type: none"> <li>In addition to presented VRE and API access to (satellite) metadata, is there GUI available? Yes, several</li> </ul>	
4	<p>Presentation Øystein Godøy &amp; Stein Sandven: Norwegian and international data infrastructures services for providers and consumers focusing on the Arctic</p>	
5	<p>Open discussion, moderator Stein Sandven:</p> <ul style="list-style-type: none"> <li>Is there a workflow software used in bio- and life sciences? Yes, Galaxy, open source.</li> <li>What jobs in data archiving can be done by the library?</li> <li>For data curation, you need competence about the observation.</li> <li>ØG: Move the job of data annotation to the data provider who knows what has been done. Reason why educating data providers is important.</li> <li>Birgitte: We have to change the culture around data sharing, but what should culture be? ØG: we have to take small steps, re-using what is already available. MF: there are solutions to hinder data abuse, e.g. use of licenses, DOI data citation services, etc.</li> <li>Education is fine, but culture needs to change at institutional level. Also experts need further education.</li> <li>Harald: NetCDF-CF is difficult. Need for an online course on generating these data reports.</li> <li>Harald: research doesn't need data sharing! ØG: Don't agree, sharing is a part of quality control. Historically, we had data traceability, but missed it when going digital and writing over old versions of records. We need to re-establish traceability.</li> </ul>	

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	<ul style="list-style-type: none"> <li>Harald: wish to include data management in education, but still planned, not implemented.</li> </ul>	
6	<b>Afternoon: Student seminar on sharing and use of research data</b> Presentation Øystein Godøy: Modern Data Management Principles	
7	Presentation Torill Hamre: Documentation of data - From metadata to tools	
8	Presentation Markus Fiebig: Data structure and provenance	
9	Presentation Torill Hamre: How to exploit data	
10	Comments during discussion: <ul style="list-style-type: none"> <li>Comment: need a CRISTIN (article registration system) like system for data to facilitate credit for data producers.</li> <li>You have to think about archiving your data already when you collect it (to make sure you collect all relevant metadata)</li> <li>We need more ways to motivate scientists for documenting, reporting, archiving, and sharing data.</li> <li>BP: We need a quantification of data use by means of DOI. MF: H2020 ENVRIplus project is working on this, among others.</li> <li>ØG: RCN is working on changing project KPIs to create incentives for open data sharing.</li> </ul>	