



**DINA Technical workshop Copenhagen 2- 6 November 2015**  
**“Communication Package” - presentation of the participants**



**Institution:** Natural History Museum of Denmark



**Thomas Stjernegaard Jeppesen, M.sc.**

Software Architect

**Databases:** DB design, SQL, NoSQL, Performance optimization  
**APIs and Webservices:** Mainly RESTful api's, but also SOAP. I have build API's in Java, PHP and PYTHON but currently Nodejs (JavaScript) is my preferred stack.

**Frontend:** JavaScript and HTML, currently Angular is my favourite MVVM Framework. I have used a wide range of JS frameworks for data visualisation , presentation of GeoData etc.

**Taxonomy:** During the last 10 years I have published taxonomic work on Cortinarius Subgen. Phlegmacium. This includes the description of 14 new species and a determination key published in Funga Nordica (2012).

**Former jobs/experience:**

BirdLife Denmark (DOF): Designed and developed DB, API's and Frontends (Mobile and Desktop) for the 3rd Danish Atlas of breeding birds. Stack: PHP, MySQL, JavaScript, HTML5, JQuery etc

**FormPipe Software:**

Build REST and SOAP API's to exhibit business logic from the Danish National Board of Health's main business systems. Stack: WebSphere, Java, Spring, JPA, Hibernate, DB2, JAX-RS, JAX-WS



**Nikolaj Scharff**

Danish representative on the DINA international steering committee. Chairman of Danish DINA consortium. Head of Collections at the Natural History Museum in Denmark, and as such responsible for all collections and their digital data. Danish representative in CETAF. Spider taxonomist/systematist by training and involved in several European collection initiatives. In the DINA project, I am mainly involved in discussion of policy issues.

**David Konrad**

Prefers to work with javascript but other languages is not a problem. Currently works on the DataTool and with porting legacy data to Specify 6.5 schema through scripting.



**Institution:** Agriculture and Agri-Food Canada/Government of Canada



**Satpal Bilkhu**

[Satpal.Bilkhu@AGR.GC.CA](mailto:Satpal.Bilkhu@AGR.GC.CA)

Biodiversity Bioinformatics Database Programmer, Science and Technology Branch

**Role:** Team Leader, Sequence Database (SeqDB):

SeqDB is a web based specimen and sequence tracking database being developed at AAFC in Ottawa Canada.

**Primary Language:** Java

**Other Languages:** Perl, bash

**Database:** MySQL

**Build Tools:** Maven

**Frameworks:** Struts 2, Appfuse, Apache POI, Displaytag, Spring, Hibernate, Vagrant

**IDE:** Eclipse

**OS's:** Linux, Mac, Windows




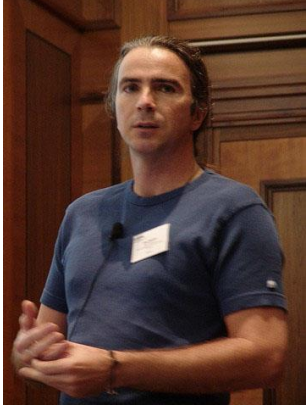


**Allan Jones**

I am a computer programmer/analyst with Agriculture Canada specializing in desktop applications, databases and data loggers. Recently working on a major update to the interactive parts of our biodiversity data portal website (CBIF). Current technologies used include Java, Maven, Git, Docker, Specify, Vagrant, iRODS, MySQL, PostgreSQL, Windshaft/Mapnik, and various computer languages.



**James Macklin**

I am Agriculture and Agri-Food Canada's representative on the international steering committee. I am a botanist but have an extensive background in biodiversity informatics. My research is centered on data integration with interest in digitization and reuse of natural science collections and literature, biodiversity data standards, annotation services, data quality and curation, and knowledge representation. In the DINA project, I am primarily focused on discussions of policy issues, and strategic choices with respect to technology platforms, architecture and other development-related issues.

	<p><b>Institution:</b> Canadian Forestry Service, Natural Resources Canada</p>
	<p><b>Glen Newton</b>  Software dev 25+ years. Linux/Unix, C,Java,Ruby,bash,Go.  Database design, web services. Large scale computing, multithreading, multicore, Natural language processing, text mining, machine learning, visualization, bioinformatics, image processing, remote sensing, GIS. Project Management (PMP), ITIL. emacs!  <b>Github:</b> <a href="https://github.com/gnewton">https://github.com/gnewton</a>  <b>Scholar:</b>  <a href="https://scholar.google.com/citations?hl=en&amp;user=iEEmS2sAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=iEEmS2sAAAAJ</a></p>
	<p><b>Institution:</b> Museum für Naturkunde Berlin, Germany, Digital World and Information Science</p>
	<p><b>Falko Glöckler</b>  <a href="mailto:Falko.Gloeckler@mfn-berlin.de">Falko.Gloeckler@mfn-berlin.de</a>  <b>Role:</b> scientific employee for biodiversity informatics  <b>In charge of:</b> information networks and knowledge bases at the MfN-. Coordination and team lead for data integration and databases, lead of the developer team and data management for two national GBIF nodes in Germany (entomology and paleontology), data management in digitization efforts, work package Co-Lead in the project Indobiosys (Biodiversity inventory and screening in Indonesia; <a href="http://www.indobiosys.org">http://www.indobiosys.org</a>)  <b>Interest groups:</b>  <ul style="list-style-type: none"> <li>- CETAF ISTC: identifier group (stable URIs and Linked Data with RDF)</li> <li>- TDWG: ABCD, ABCDEFG data standards</li> <li>- TDWG: data quality group</li> <li>- TDWG: biodiversity informatics curriculum</li> <li>- iDigBio: Insect Drawer Digitization group</li> <li>- IAVS: Ecoinformatics group</li> <li>- national: citizen science in biodiversity research</li> </ul> <b>Scientific background:</b> Landscape Ecology and Nature Conservation, Vegetation Ecology  <b>Applications and databases at MfN</b>  <ul style="list-style-type: none"> <li>- Specify 6 as collection management system</li> <li>- Canto "Cumulus" as multimedia management system</li> <li>- BioCAsE for mapping data for GBIF, GeoCAsE, Europeana</li> <li>- several own databases and frontends (based on Microsoft</li> </ul> </p>

	<p>Access, MS SQL, or MySQL with PHP) for special purposes in digitization and collection management</p> <ul style="list-style-type: none"> <li>- Anymals+plants for recording biodiversity data with citizen scientists (<a href="http://www.anymals.org">http://www.anymals.org</a>)</li> </ul> <p><b>Portals and information systems</b></p> <ul style="list-style-type: none"> <li>- Fauna Europaea database and portal <a href="http://www.fauneur.org">http://www.fauneur.org</a></li> <li>- GeoCAsE Portal <a href="http://www.geocase.eu">http://www.geocase.eu</a></li> <li>- EoS Insect Drawer Portal (only in German): <a href="http://eos.naturkundemuseum-berlin.de">http://eos.naturkundemuseum-berlin.de</a></li> <li>- Biowikifarm <a href="http://www.biowikifarm.net">http://www.biowikifarm.net</a></li> <li>- DINA wiki <a href="http://www.dina-project.net">http://www.dina-project.net</a></li> </ul> <p><b>Skills:</b></p> <ul style="list-style-type: none"> <li>- programming: PHP, C++, Java, JavaScript, R, VBA</li> <li>- databases: MySQL, MS Access, MS SQL</li> <li>- operating systems: Linux (CentOS, SUSE, Ubuntu), MS Windows</li> </ul> <p><b>Current scientific focus:</b> biodiversity data quality in citizen science</p>
	<p><b>Institution:</b> Swedish Museum of Natural History, Department of Bioinformatics and Genetics</p>
	<p><b>Markus Skyttner</b>  <a href="mailto:markus.skyttner@nrm.se">markus.skyttner@nrm.se</a></p> <p>I work with system integration, packaging and system administration for DINA-Web. I prefer to work with R, but I have some experience from using Java and Python. I have worked with various relational and other data sources and used various application servers and open source stacks. Favors Linux OS and open source solutions over any alternatives that tend to involve vendor lock-in.</p>
	<p><b>Fredrik Ronquist</b>  <a href="mailto:fredrik.ronquist@nrm.se">fredrik.ronquist@nrm.se</a></p> <p>Project initiator and chairman of the DINA international steering committee. I have a background as a C and C++ developer of computational phylogenetics software, and as PI and coordinator of biodiversity informatics projects like MorphBank and SeIBER. In the DINA project, I am primarily focused on discussions of policy issues, and strategic choices with respect to technology platforms, architecture and other development-related issues.</p>



**Karin Karlsson**

[karin.karlsson@nrm.se](mailto:karin.karlsson@nrm.se)

Group leader of the Bioinformatics group and project leader of the DINA/IRIS project, internal DINA project at the museum. Previous experience from Karolinska University Hospital and Swedish health care IT-systems. Project management, requirement analyst, user interactions, system implementations, communications skills, CMS, user support and education. M. sc. Biology.



**Markus Englund**

[markus.englund@nrm.se](mailto:markus.englund@nrm.se)

Data specialist working mainly with migrating collection data to the DINA-system. Do most of my scripting in Python, but also familiar with R and Perl. I have developed a Python library for importing, exporting, and updating batches of data in Specify (CollectionBatchTool). Biologist with a background in plant systematics.



**Ida Li**

[ida.li@nrm.se](mailto:ida.li@nrm.se)

**Title:** System developer

**Job description:** System developer for DINA project

**System developed:** naturarv, dnakey, inventory, loan request management (loan, loan-admin), dina-data-service

**Ongoing project:** vegadare, dina restful service backend



**Ingimar Erlingsson**

[ingimar.erlingsson@nrm.se](mailto:ingimar.erlingsson@nrm.se)

**System Developer**

Open source advocate, GNU/Linux is the preferred OS.

**Languages:**

- Java and the JEE7-stack (JPA, JAX-RS,EJB 3.x and more ) is the language I am using.

-Used before, QBasic,Visual Basic, C, PL-SQL,

**Database:**

- Mostly worked with MySQL 5.x lately.

- Fond of the liquibase-project ( <http://www.liquibase.org/> )

Servers :

- Glassfish 3 and 4, JBoss 4 and Wildfly.

**Frameworks:**

- Apache Struts 2.x, ADF/JSF and Spring MVC 3.x

- Working now with Spring MVC in the 'naturalist'-project.

**Netbeans RCP-platform:**

- Worked with Netbeans RCP-platform previously.

- includes that I have been working with Java-Swing.

(<https://netbeans.org/features/platform/>)

**Supporting technologies:**

-Maven 3.x + GIT + Continuous Integration ( Hudson and Jenkins )

IDE:s

**Learning right now:**

Vagrant and Docker.

**Top 3 programming-books:**

“Clean Code” by Robert C. Martin

“Effective Java” by Bloch

“Refactoring” by Fowler & Beck & Brant