



# Running INSPIRE Download Services on Docker with deegree and PostgreSQL



# Agenda

- Who we are
- Who you are
- What are INSPIRE Download Services?
- What is deegree?
- What is Docker?
- What you will learn in this workshop

## Who we are

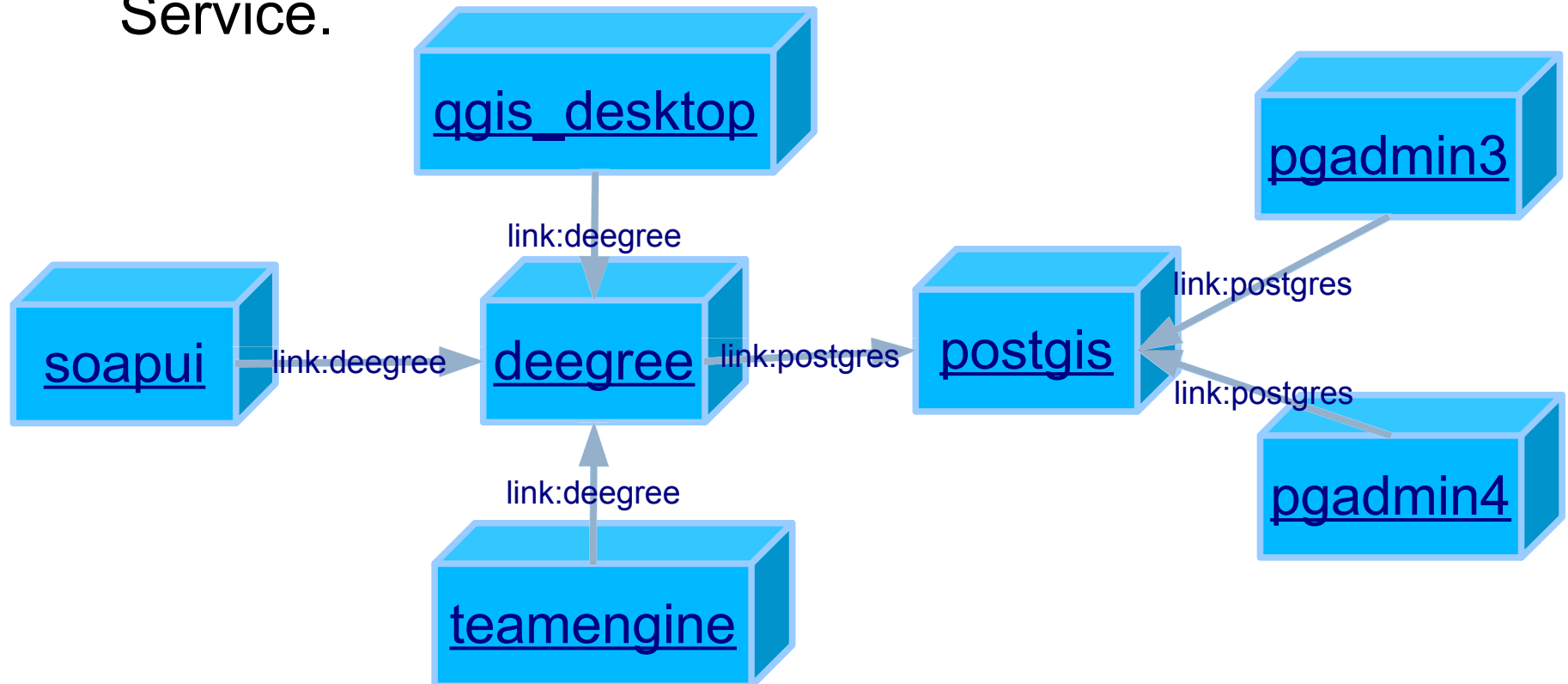
- **Torsten Friebe**  
Dipl.-Inform.
- Works at lat/lon as system architect and is member of the TMC of deegree OSGeo project.
- Has 15 years of experience in the field of software development.
- First OGC Simple Feature implementation with Java 1999
- **Dirk Stenger**  
Dipl.-Geographer
- Works at lat/lon as software developer and expert for spatial data infrastructures since 2012

## Who you are

- Please give a short introduction.
- What are your major interests?
- Why are you attending this workshop?
  - Why are you interested in INSPIRE, deegree and Docker?
  - Specific questions?

# What is our goal for today?

- Building a complete infrastructure based on Docker containers for serving data by a INSPIRE Download Service.



# What you will learn in this workshop

- How to set up an INSPIRE Download Service running on a Docker-based infrastructure using
  - deegree 3.4-RC1
  - PostgreSQL 9.4 with PostGIS 2.2.2
  - pgAdmin 3/4
  - QGIS Desktop 2.14/2.16
  - OGC TEAM Engine 4.6
  - SoapUI 5.2.1

# A very fast introduction to the main topics

- INSPIRE Download Services
- deegree Webservices
- Docker

# What are INSPIRE Download Services?

- „The INSPIRE directive aims to create a European Union (EU) spatial data infrastructure. This will enable the sharing of environmental spatial information among public sector organisations and better facilitate public access to spatial information across Europe.“
  - Source:  
<http://inspire.ec.europa.eu/index.cfm/pageid/48>



# What is deegree?

- „deegree is open source software for spatial data infrastructures and the geospatial web. deegree offers components for geospatial data management, including data access, visualization, discovery and security. Open standards are at the heart of deegree.“
  - Source: <http://www.deegree.org/>

# What is Docker?

- „Docker containers wrap a piece of software in a complete filesystem that contains everything needed to run: code, runtime, system tools, system libraries – anything that can be installed on a server. This guarantees that the software will always run the same, regardless of its environment.“
  - Source: <https://www.docker.com/what-docker>

# Contact & Licence



© 2016 **latlon**

gesellschaft für raumbezogene  
informationssysteme mbH

Aennchenstrasse 19

53177 Bonn

Tel: +49 +228 18496-0

Fax: +49 +228 18496-29

[info@lat-lon.de](mailto:info@lat-lon.de)

<http://www.lat-lon.de>