# ELIXIR Training Platform

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**Celia van Gelder**
**GOBLET Workshop 16-17 Nov 2015, Cape Town**

# ELIXIR – European life sciences infrastructure for biological information

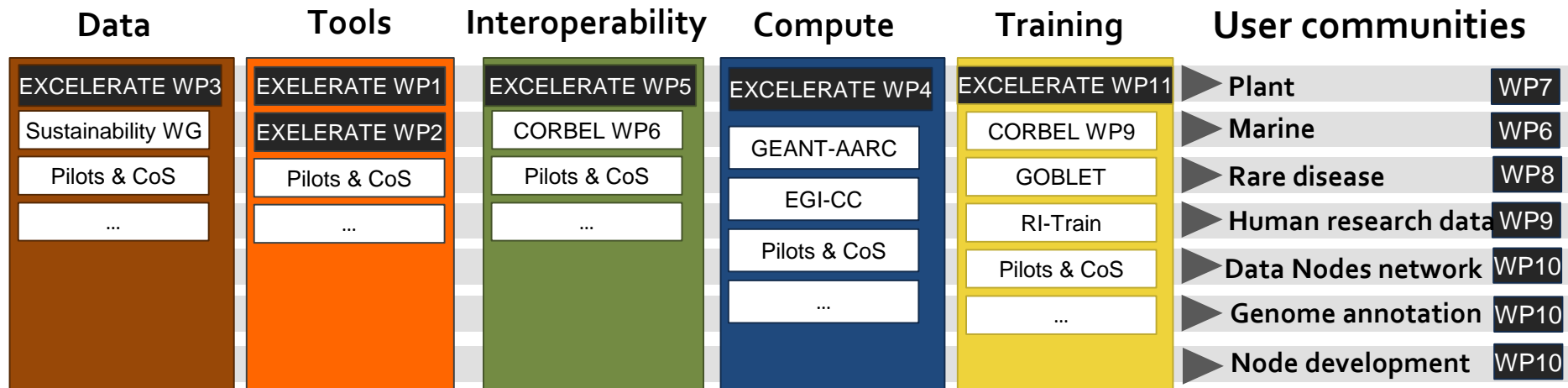| | |
|---|---|
| | Belgium |
| | Czech Republic |
| | Denmark |
| EMBL-EBI | EMBL-EBI |
| | Estonia |
| | Finland |
| | France |
| | Greece |
| | Israel |
| | Italy |
| | Netherlands |
| | Norway |
| | Portugal |
| | Slovenia |
| | Spain |
| | Sweden |
| | Switzerland |
| | United Kingdom |

## OBJECTIVES

- **Collection, quality control, archiving, integration of biological research data**

- **Long-term sustainability of core resources**

- **Accessible services, tools & datasets**

- **Technological solutions, including standards**

- **Capacity building**

# ELIXIR Platforms
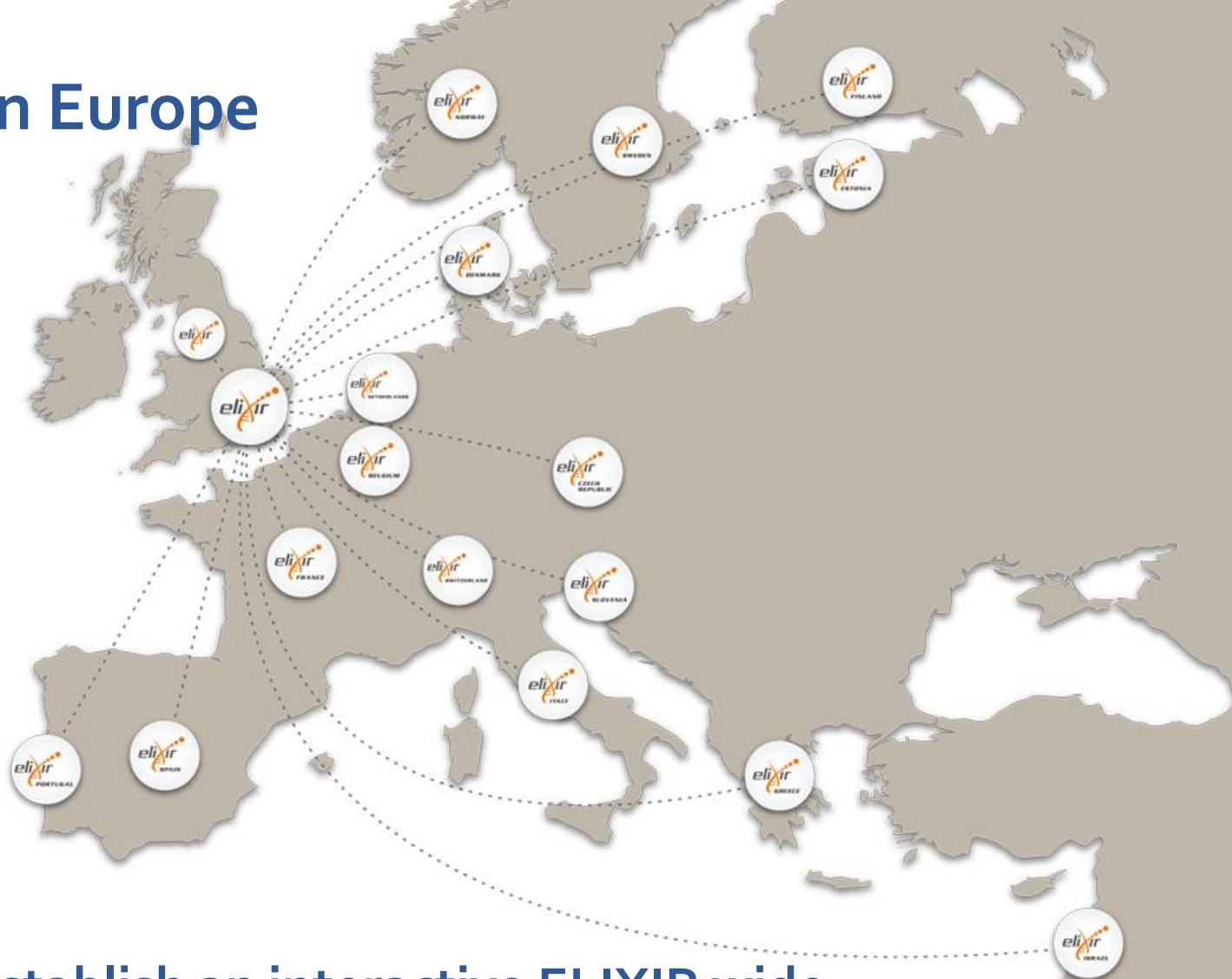## User-driven implementation of ELIXIR through ELIXIR-EXCELERATE

| Data | Tools | Interoperability | Compute | Training | User communities |
|---|---|---|---|---|---|
| EXCELERATE WP3 | EXELERATE WP1 | EXCELERATE WP5 | EXCELERATE WP4 | EXCELERATE WP11 | Plant — WP7 |
| Sustainability WG | EXELERATE WP2 | CORBEL WP6 | GEANT-AARC | CORBEL WP9 | Marine — WP6 |
| Pilots & CoS | Pilots & CoS | Pilots & CoS | EGI-CC | GOBLET | Rare disease — WP8 |
| ... | ... | ... | Pilots & CoS | RI-Train | Human research data — WP9 |
| | | | ... | Pilots & CoS | Data Nodes network — WP10 |
| | | | | ... | Genome annotation — WP10 |
| | | | | | Node development — WP10 |

**EXCELERATE – WP11**

11.1 Building an ELIXIR Training Infrastructure

11.2 Delivering training to the EXCELERATE community

elixir

# Training in Europe

**Mission: To establish an interactive ELIXIR wide training community across all member states that coherently delivers ELIXIR-related training.**

# WP11.1 Building an ELIXIR Training Infrastructure

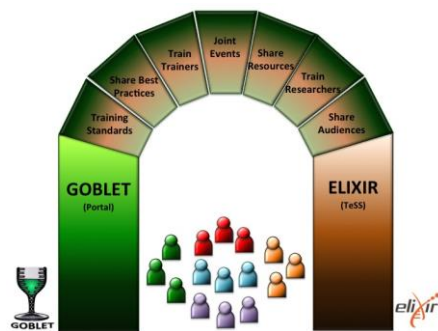**Ensuring training quality, good practice and impact. UK, EBI**
*Sub task lead: Gabriella Rustici (UK) & Sarah Morgan (EBI)*

**TeSS Training Portal. *UK, CH, PT, NL*.**
*Sub task lead: Teresa Attwood (UK)*
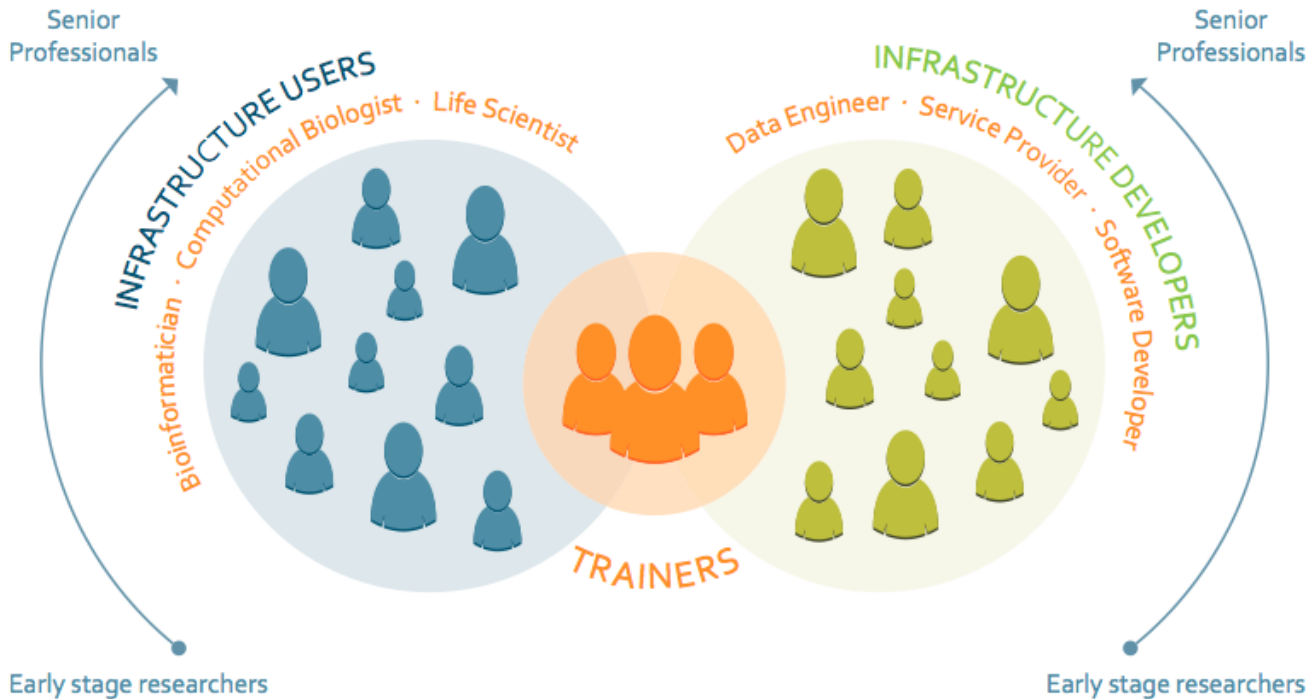
**eLearning. *SI, NL, CH, PT, IL, FI*.**
*Sub task lead: Brane Leskosek (SI)*



E-learning workshop 15-17 September 2015 Ljubljana, followed by second workshop 20 Nov 2015, Cape Town

# WP11.2 Delivering training to the EXCELERATE Community

# WP11.2 Delivering training to the EXCELERATE Community

Train the Developer and Infrastructure Operator. *EE, EBI, SE, IL*
*Sub task lead: Hedi Peterson (EE)*

- Virtual Community
- Inventory of training needs & set up training

Train the Researcher. *ES, CH, UK, NL, SI, NO, PT, GR, FI*
*Sub task lead: Alex Upton (ES) & Rita Hendricusdottir (UK)*

- Software Carpentry & Data Carpentry
- HPC computing
- Galaxy & Chipster
- Driven by use case needs

# WP11.2 Delivering training to the EXCELERATE Community , cntnd

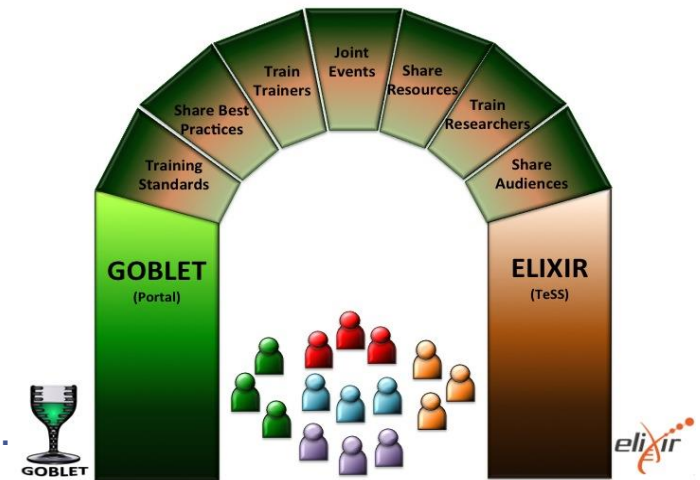Train the trainer. *IT, EBI, FI, SE, CH*
*Sub task lead: Allegra Via (IT)*

- Build community of ELIXIR instructors, train new instructors
- Develop TtT framework, including guidelines & best practices
- Implement TtT events in ELIXIR courses

# ELIXIR – GOBLET Collaboration



GOBLET: Global Organisation for Bioinformatics Learning Education and Training (www.mygoblet.org).

ELIXIR-GOBLET Collaboration strategy:

- Collaboration between ELIXIR's and GOBLET's training portals

- Collaboration on train-the-trainer and train-the-researcher activities.

- Joint exploration of training 'accreditation' mechanisms

- Sharing of best practice, standards and expertise on professionalising bioinformatics training

Hackathon for metagenomic training material re-use, April 2016, Denmark

# Other collaborators

Liaise with Software Carpentry/Data Carpentry foundation (pilot already ongoing). Build SC/DC capacity in the ELIXIR nodes.

Galaxy , ELIXIR strategy under development. Galaxy is a topic in the *Train the researcher* subtask of WP11.

Discuss and align ELIXIR's training plans with those of the BD2K Training Coordination Center (TCC)

Research Data Alliance  - exploring collaboration related to Data Science Schools

# Thank you



... and everyone involved

**ELIXIR Training Coordinators Group (TrCG)**

**Members: One Training Coordinator of each ELIXIR nodes plus the subtask leaders of EXCELERATE**

# ECCB 2016, 3-7 September 2016
# The Hague, the Netherlands
### *15th European Conference on Computational Biology*



## http://www.eccb2016.org/
## Call for Workshop and Tutorials is open!