

# THEME 5 KNOWLEDGE TRANSFER

WP15 AND WP16 MID TERM REVIEW  
PRESENTATION



Supporting environmental research  
with integrated solutions  
- **the Earth is our lab**

# WP15: TRAINING, E-LEARNING AND COURSES

Main objective: "to organize and develop concrete training programs"

- Task 15.1[CU, EGI.eu]: Teaching RI operators key skills
- Task 15.2 [UniTromsø, CNRS/NILU]: Training workshops on Time series analysis
- Task 15.3 [UvA]: RI management training
- Task 15.4 [UniSalento, INGV]: Development of training packages for the use of Environmental Research Infrastructure products
- Task 15.5 [INGV, UniSalento]: Secondary School level education on environmental issues related to the RIs



# WP 16: STAFF EXCHANGE

Main objective: to facilitate the exchange of knowledge among staff working in RI's or related to the implementation of new RI's.

- T16.1 [UniHB, UniTromsø]: Experience sharing symposia for RI staff
- T16.2 [UniHB, UniTromsø]: Staff exchange program



# MAIN OUTCOMES

- Training platform
  - Applications based on the training platform
- Collection of other results
- Exchange of Personnel



# TRAINING PLATFORM



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English (en) ▾



Welcome to the ENVRI  
community Training  
platform

[Know More](#) →



#### SCIENTIFIC GAMING

The ENVRIplus game focuses on the scientific methodology (i.e., the e-learning goal), specifically it is oriented on scientific/ecological contents.



#### TUTORIALS

The tutorials are practical guides for different subjects such as training programming



#### ENVRI COMMUNITY

The ENVRI Community is an interactive space to engage with our community



#### HELP-DESK

Do you need help? Get in contact with our HelpDesk

#### Available courses



#### Navigation

[Dashboard](#)

[Site home](#)



H2020 Project

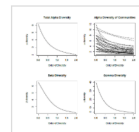
Project Number: 654182

# TRAINING PLATFORM CONTENT

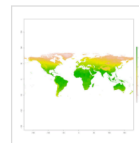
- Specific training for different communities
- Training sessions developed by EGI for T15.1
- Training on the Reference Model developed by CU for T15.1 and Theme 2
- Serious game for secondary schools (T15.5)

- Helpdesk/Sustainable organisation

## Available courses



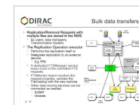
Partitioning and mixed models for biodiversity analysis in R



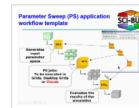
Species Distribution Modelling (SDM)



The spatially explicit metapopulation model - Incidence Function Model



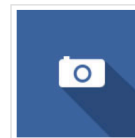
DIRAC system for EGI communities



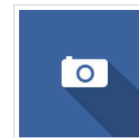
Workflow applications on EGI with WS-PGRADE



The EGI Open Data Platform - Towards Scientific Data Hubs



Interviews

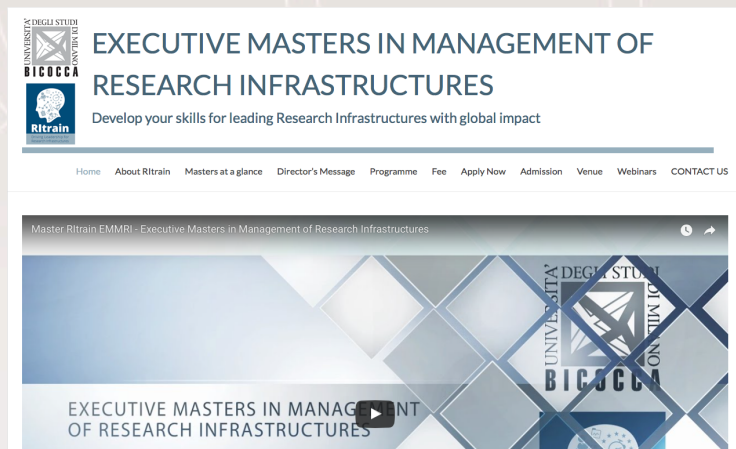


Practical Introduction to the ENVRI RM

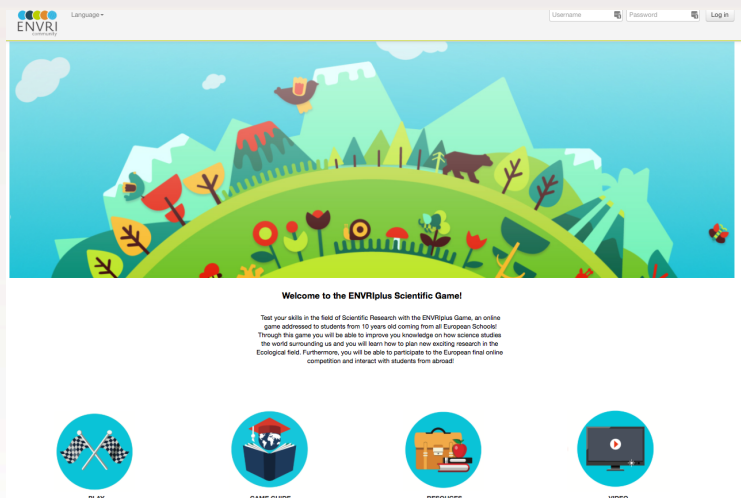
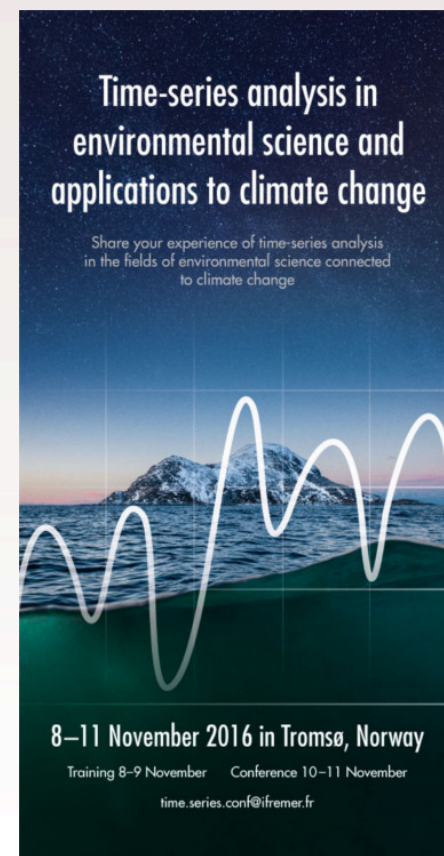


# COLLECTION OF OTHER RESULTS

Training for  
management  
staff (T15.3)



Time Series  
Conference  
(T15.2)



Scientific Game  
for high schools  
(T15.5)

Questionnaire for  
high school  
teachers (T15.5)



H2020 Project

Project Number: 654182



# WP16 MAIN RESULTS

## ● Four eligible EoP proposals have been funded:

- **Drone technology** EoP involving ANAEE, JERICONEXT and GROOM
  - **Science and communications staff** EoP involving ICOS and EuroGOOS
  - **Coastal station** EoP involving JERICONEXT and ICOS
  - **Seismic data integration** EoP involving FixO3, EMSO and EPOS
- 
- Presentations in ENVRIweeks during separate symposia (T16.1)





# WP16 DEVIATIONS AND CORRECTIVE ACTIONS

## ● Corrective actions to improve EoP attractiveness:

- Amendmend of DoA: allows applications from outside ENVRIplus in the 2<sup>nd</sup> call
- Adoption of Eligibility criteria according to the amendment
- EoP participants present their results in ENVRIweeks
- Unilateral EoP now also favored
- Promote the EoP program also for training and implementing project results



# DELIVERABLES & MILESTONES (M1-M24)

- D15.3 : Joint plan of action between the INFRASUPP-3-2014 project and ENVRI-PLUS [24] ✓
- D15.4 Report on available training/courses on the use of data processing tools from the existing RI's and the priorities for using these in a transversal platform [18] ✓
- D15.6 : Training course for teachers [24] ✓
- D16.1: Eligibility criteria document [6] ✓
- MS8: First RM training sessions completed [12] ✓
- MS3: Eligibility criteria document for Staff exchange [6] ✓



# DELIVERABLES AND MILESTONES M25-M48

- D15.1 [M30, CU] Training materials, suitable for both classroom and elearning use. **On track, first material online, syllabus outline defined**
- D15.2 [M48, CNRS] Materials from the second timeseries conference including tutorial and hand book on the second timeseries conference. **No developments**
- D15.5 [M36, UniSalento] EeTP E-Learning, description of implementation of new functionalities **On track, work will start in the coming months.**
- D16.2 [M46, UniHB] Synthesis report on staff exchange and how this service can be sustained by RIs? **On track**
- MS21 [M36, INGV] Training course for teachers delivered. **On track, workshop during EGU 2018-GIFT session requested**
- MS33 [M40, UniSalento] e-Training material and TED-like seminars **On track, video's recorded, agreement procedure initiated**



# WAY FORWARD I

- Extend the Training platform with content (Theme2, Theme4, others)
  - [T15.1] CU for the reference model (1 module available, at least 6 others in development until M30)
  - [T15.1] EGI for e-infra training (follow up from D15.4 outcomes)
  - WP14 for Citizen observation platforms, Deep Sea Spy
  - Aquacosm with app game for children

## RISK: Platform incompatibilities

- D15.5 with requirement list
- Helpdesk
- [T15.2] Organize the second time series conference (Done by NILU, focus on Atmosphere)
- [T15.2] publication of a special issue on Time Series



# WAY FORWARD II

- [T15.3] Do the Management training workshop (M36)

**RISK: Lack of participation**

- Start promotion and contact with RI's from now on
- Funding available for travel

- [T15.5] Extend the scientific game to other domains (Marine and Solid Earth being developed)

**RISK: Not funded within the project**

- Already intrinsic interest from Marine domain
- Creation of new instances made easy

- [T15.5] Finalize the training for high-school teachers on the training platform

**RISK: involvement of the RI's (questionnaire)**

- We have already >70 responses from teachers

- WP16 Organize Exchange of Personnel to implement project results

