The eENVplus on-line Training Action

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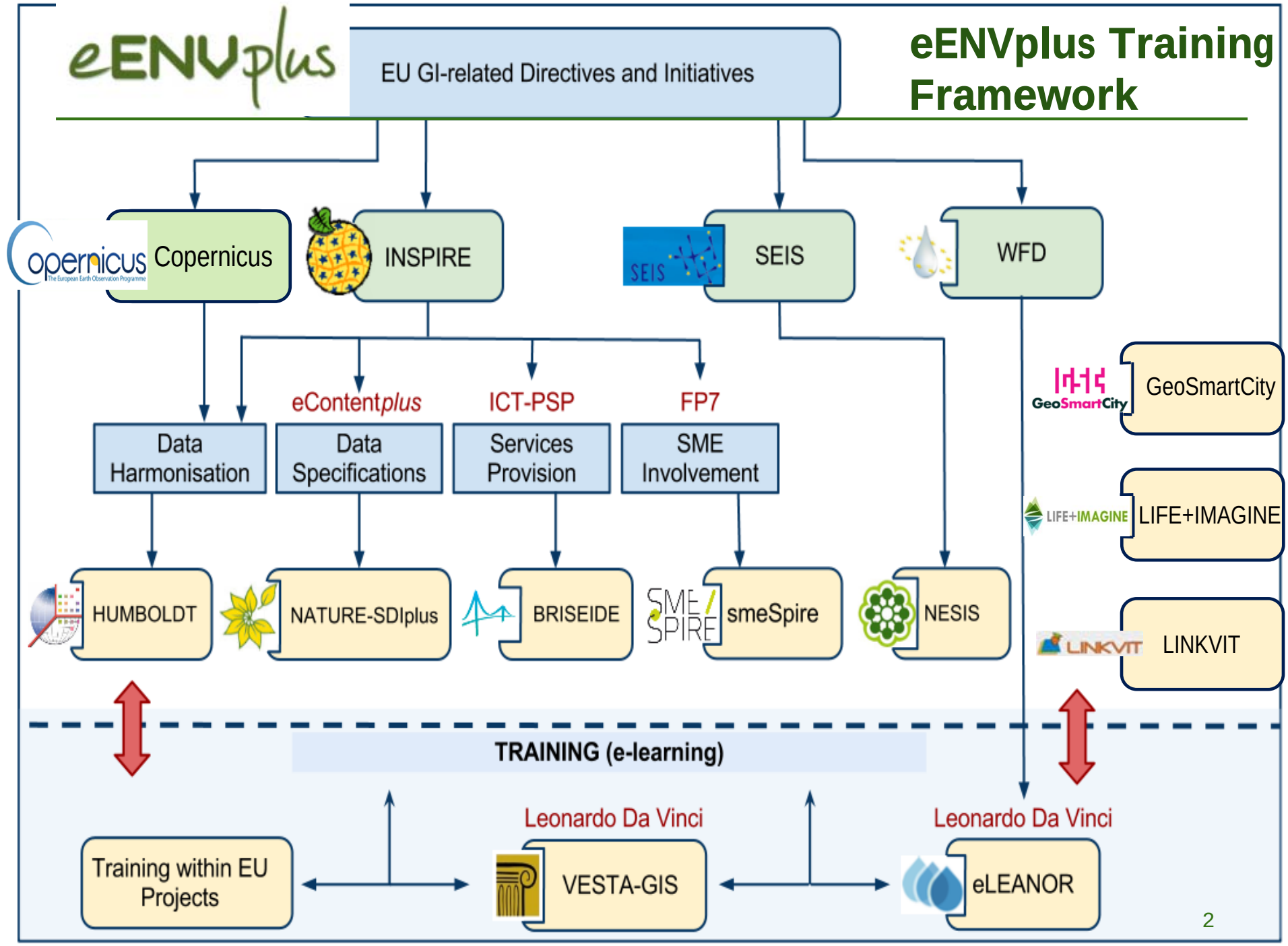
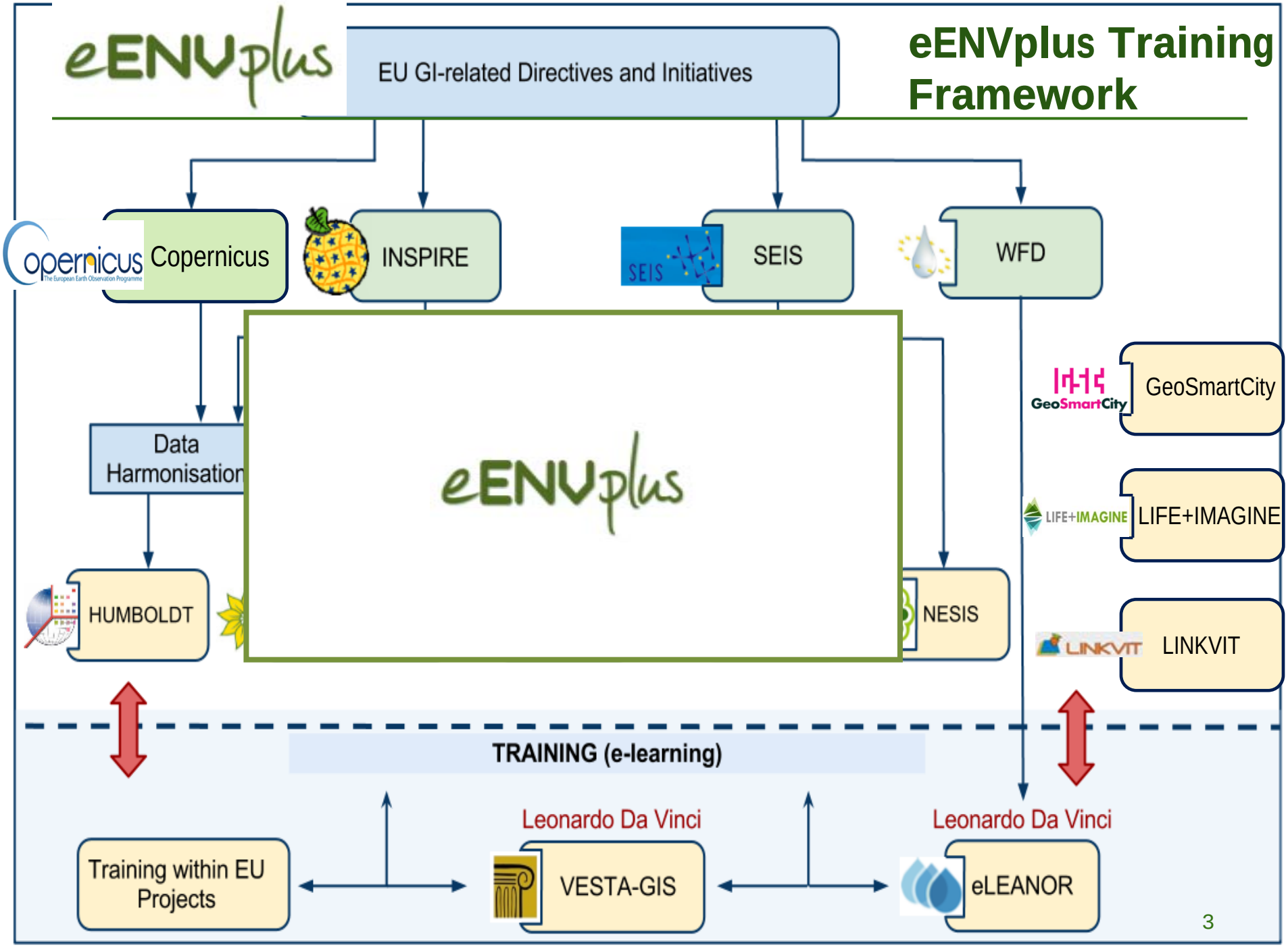
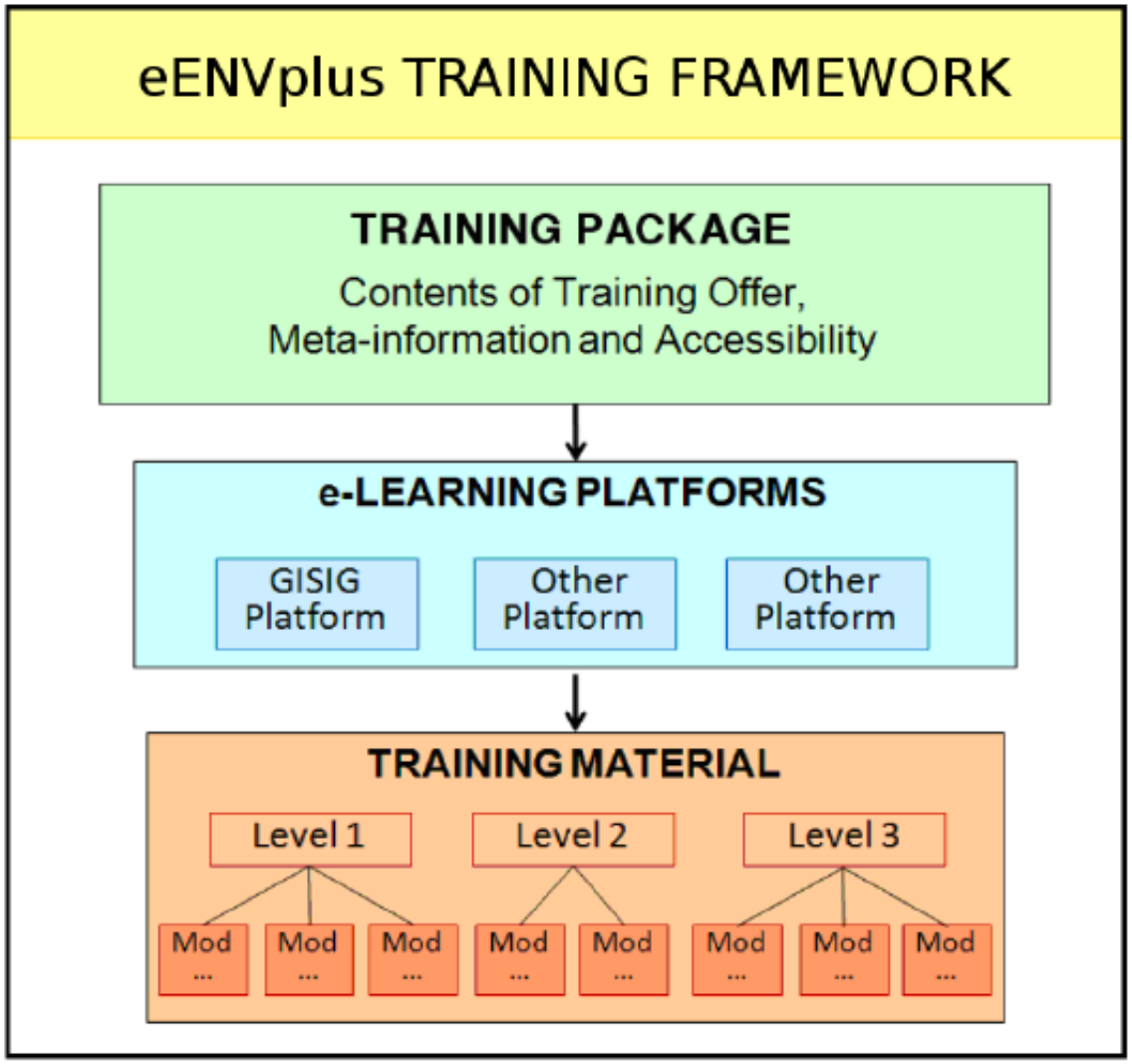
eENVplus Workshop and Training Action,
Ljubljana (SLO), 15th September 2015

eENVplus Training Framework



eENVplus Training Framework

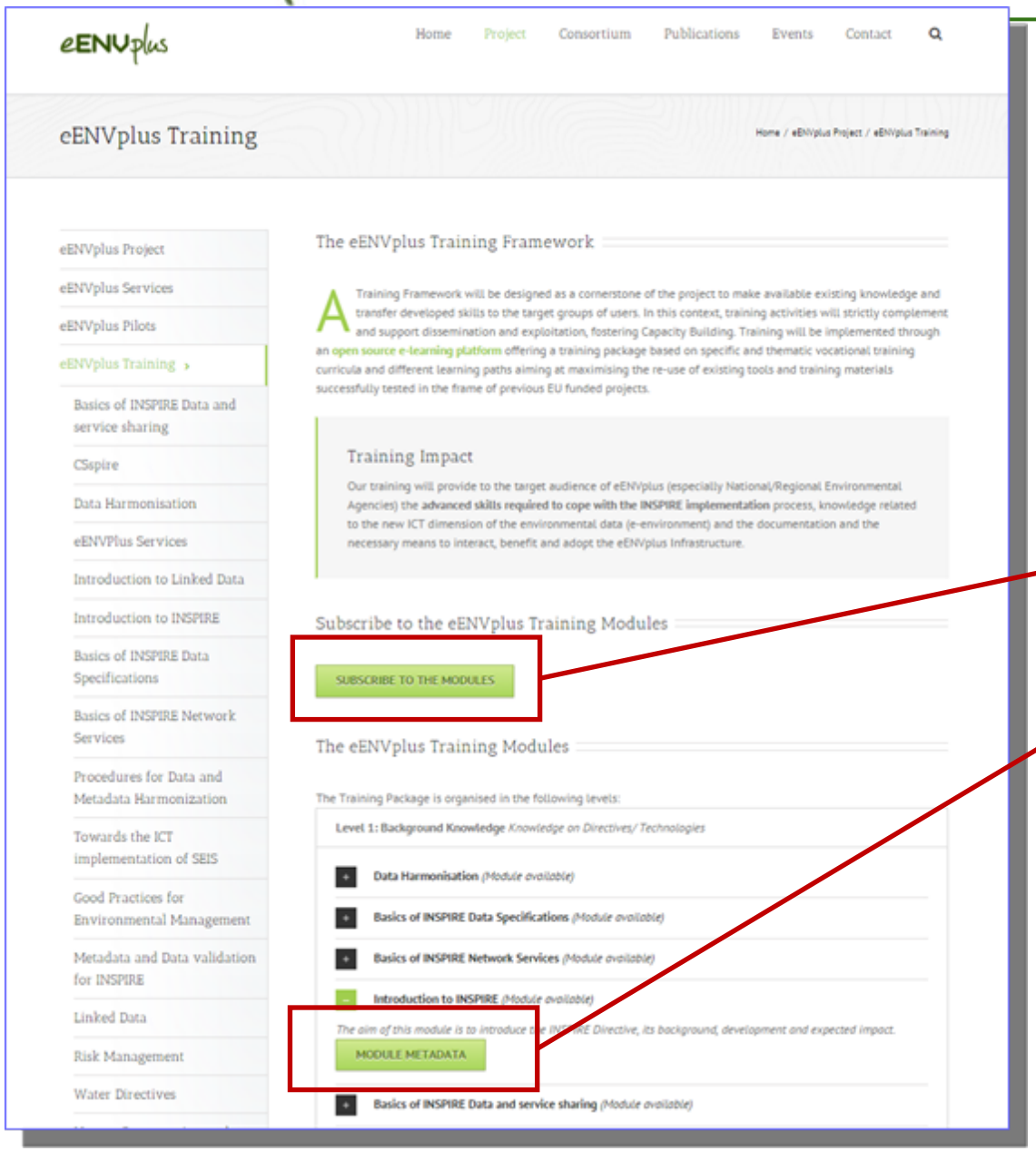



eENVplus TRAINING FRAMEWORK
TRAINING PACKAGE
Contents of Training Offer,
Meta-information and Accessibility
e-LEARNING PLATFORMS
GISIG Platform
Other Platform
Other Platform
TRAINING MATERIAL
Level 1
Level 2
Level 3
Mod ...
Mod ...
Mod ...
Mod ...
Mod ...
Mod ...
Mod ...
Mod ...

E- learning Platform (s)

- Costitute the infrastructure(s) hosting the training modules and training material.
- Estabilished by widely diffused open source e-learning tools.
- Open to the project members and (open registration) to the users Communities.
- Once subscribed to the Module (or Modules), the user is redirected to an e-learning platform with personalized access.
- Decentralised: Training Material is hosted in different platforms.
- Training material developed on a variety of formats: Presentations with voice, screencasts, plain text lectures, exercises, etc.
- Allows monitoring the user progress and students/ teachers interaction.

Training modules access

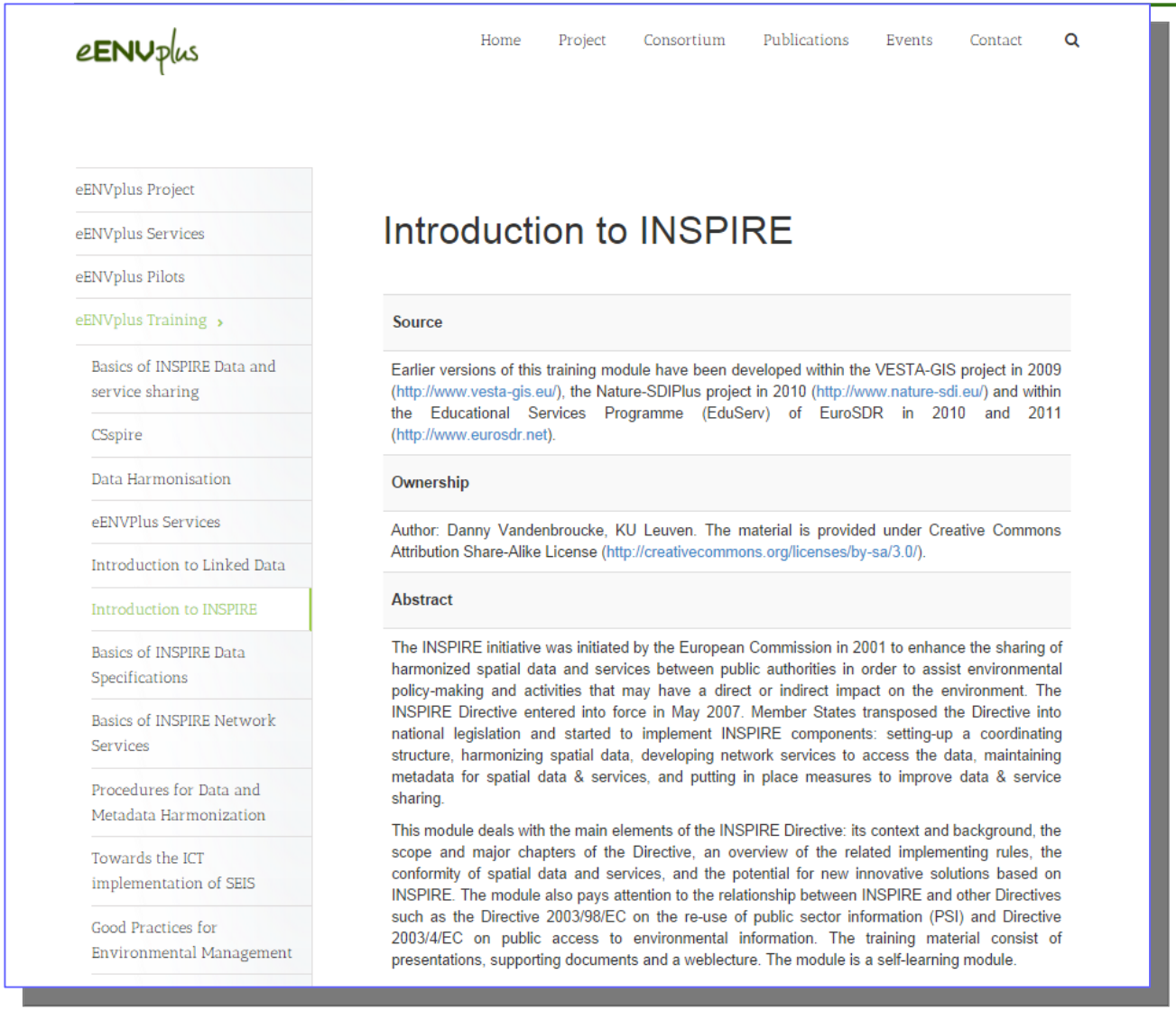


eENVplus website:

Training section

- Access to the Module list
- Access to the e-Learning Platform
- For each module access the Metadata

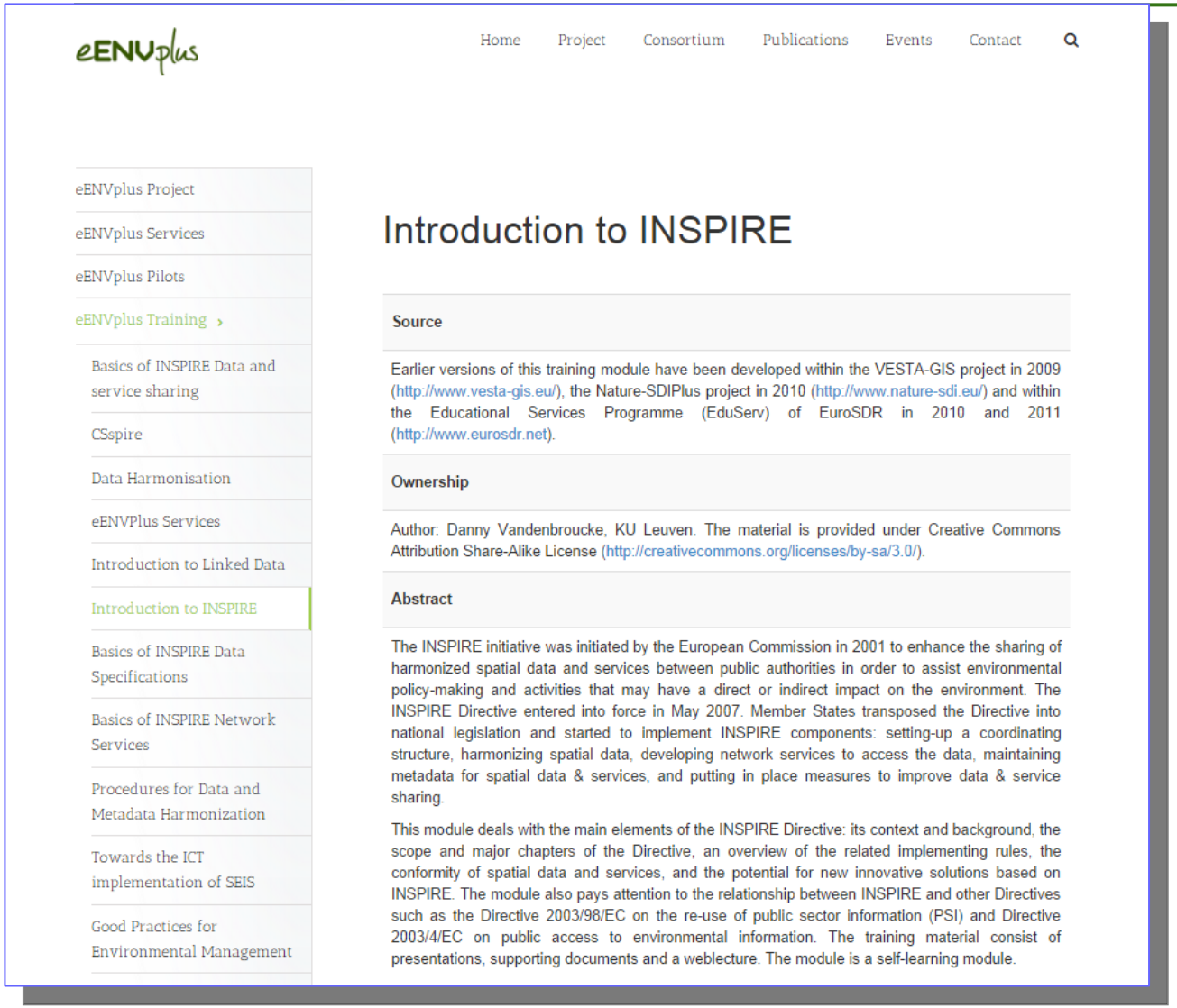
Training modules Metadata



Common Metadata template

Structured in a clustering training perspective to allow interoperability of training modules within different project Training Frameworks.

Training modules Metadata



Each Training Module must be detailed with metadata:

- Module name
- Source
- Ownership
- Abstract
- Structure
- Learning outcomes
- Intended audience
- Pre-requisites
- Language
- Format
- Expected workload

Training Framework

The Training Framework is structured in 4 levels:

- Level 1: **Background Knowledge** *(Knowledge on Directives/ Technologies)*
- Level 2: **Thematic Knowledge** *(Knowledge on specific related knowledge areas)*
- Level 3: **The eENVplus Infrastructure** *(Knowledge on the technical outcomes of eENVplus)*
- Level 4 – **eENVplus scenarios** *(These modules will be available in a later stage of the project)*

Training Framework

Level 1: Background Knowledge (Knowledge on Directives/ Technologies)	
1.1	Introduction to INSPIRE
1.2	Basics of INSPIRE Data and service sharing
1.3	Basics of INSPIRE Data Specifications
1.4	Basics of INSPIRE Network Services
1.5	Data Harmonisation
1.6	Procedures for Data and Metadata Harmonisation
1.7	Towards the ICT implementation of SEIS
1.8	Good Practices for Environmental Management
1.9	Introduction to Linked Data

Training Framework

Level 2: Thematic Knowledge (Knowledge on specific related knowledge areas)	
2.1	Water Directives
2.2	Nature Conservation and Natura 2000 Network
2.3	Nature Conservation and INSPIRE
2.4	Risk Management
2.5	Geological Data Harmonisation

Training Framework

Level 3: The eENVplus Infrastructure (Knowledge on the technical outcomes of eENVplus)	
3.1	Examples of Data Transformation
3.2	Metadata and Data validation for INSPIRE
3.3	The eENVplus Architecture
3.4	The eENVplus Thesaurus Framework
3.5	The eENVplus services
	Components of the eENVplus services Modules: **View service** **Download service for vector** **Ingestion service** **Web processing service** **Notification service**
3.6	eENVplus catalogue and connection to operational infrastructures
3.7	Mobile Mapping and advanced visualisation

Training Framework

Level 4 – eENVplus scenarios (These modules will be available in a later stage of the project).	
4.1	Implementation of a SEIS for air quality data
4.2	Providing INSPIRE-compliant access to utility services: the case of sewage networks in Flanders
4.3	CSspire
4.4	Natural Areas INSPIRE Compliance Toolbox
4.5	Forest Fire Management Scenario
4.6	Window on the Protected Areas – Mobile Conservation Map (WMA MCM)
4.7	NLSI - Mobile application for Nature Conservation (INSPIRE Geoportal)
4.8	Geological Map Harmonization
4.9	Urban Landuse Planning: INSPIRE'd land use planning Indicators to monitor good urban planning practices

Learning path

The training actions are scheduled from 2015, forming "classes" grouped according to the following professional profiles:

- **Managers**
- **Professionals**
- **End Users**

For each professional profile are provided training packages with different modules for each profile.

Profiles Managers

Recommended core training modules	Optional modules
Context knowledge	
1.1 Introduction to INSPIRE	1.3 Basics of INSPIRE Data Specifications
1.5 Data Harmonization	1.4 Basics of INSPIRE Network Services
1.9 Introduction to Linked Data	1.7 Towards the ICT implementation of SEIS
	1.8 Good Practices for Environmental Management
	Level 2 Modules, according to the thematic interest
Project specific	
3.3 The eENVplus Architecture	Other modules of Level 3
	Level 4 Modules, according to the thematic interest

Profiles Professionals

Recommended	Optional
Context knowledge	
1.1 Introduction to INSPIRE	1.9 Introduction to Linked Data
1.2 Basics of INSPIRE Data and service sharing	Level 2 Modules, according to the thematic interest
1.3 Basics of INSPIRE Data Specifications	
1.4 Basics of INSPIRE Network Services	
1.5 Data Harmonization	
1.6 Procedures for Data and Metadata Harmonisation	
Professional modules	
3.1 Example of Data Transformation	1.6 Towards the ICT implementation of SEIS
3.2 Metadata and Data validation for INSPIRE	1.7 Good Practices for Environmental Management
3.3 The eENVplus architecture	Level 4 Modules, according to the thematic interest
3.4 The eENVplus Thesaurus Framework	
3.5 The eENVplus services	
3.6 eENVplus catalogue and connection to operational infrastructures	
3.7 Mobile Mapping and advanced visualisation	

Profiles End users

Recommended	Optional
Context knowledge	
1.1 Introduction to INSPIRE	1.3 Basics of INSPIRE Data Specifications
	1.4 Basics of INSPIRE Network Services
	1.8 Good Practices for Environmental Management
	Level 2 Modules, according to the thematic interest
Project specific	
3.3 The eENVplus architecture	Other modules of Level 3
3.5 The eENVplus services	Level 4 Modules, according to the thematic interest
3.7 Mobile Mapping and advanced visualisation	

Training Actions

Training actions

The training actions are organised in cooperation with the NAs **in their respective countries** and are structured **with training workshops** followed by assisted **self learning sessions** and a training forum at country level

Training Action

Training Action Scheme:

- First step: an initial Workshop (15 September) to present the basic content and the structure of the different modules
- Registration – NAs to collect the list of participants
- Distance Learning (self – learning) based on the proposed Curricula

Training Action

Training Action Scheme:

- At the end of the self-learning process, the participants in the training action will be requested to answer to an evaluation questionnaire
- A concluding teleconference workshop with a discussion on the feedback (evaluation) from the training action

Slovenian Training Action - Agenda

Event	Start	End
Initial Workshop	15/09/2015	
Training Action Registration	20/09/2015	30/09/2015
eLearning phase (all Modules)	01/10/2015	15/12/2015
Final evaluation workshop	15/12/2015	

Reference Link

Training Action page :

All the registered participants to the training action, will receive a message with further indications to follow the training action.

➡ In particular, a link to the "training action" web page, with all the necessary information and references.

Reference Link

EENVPLUS WEBSITE

eENVplus Training Action

Resources

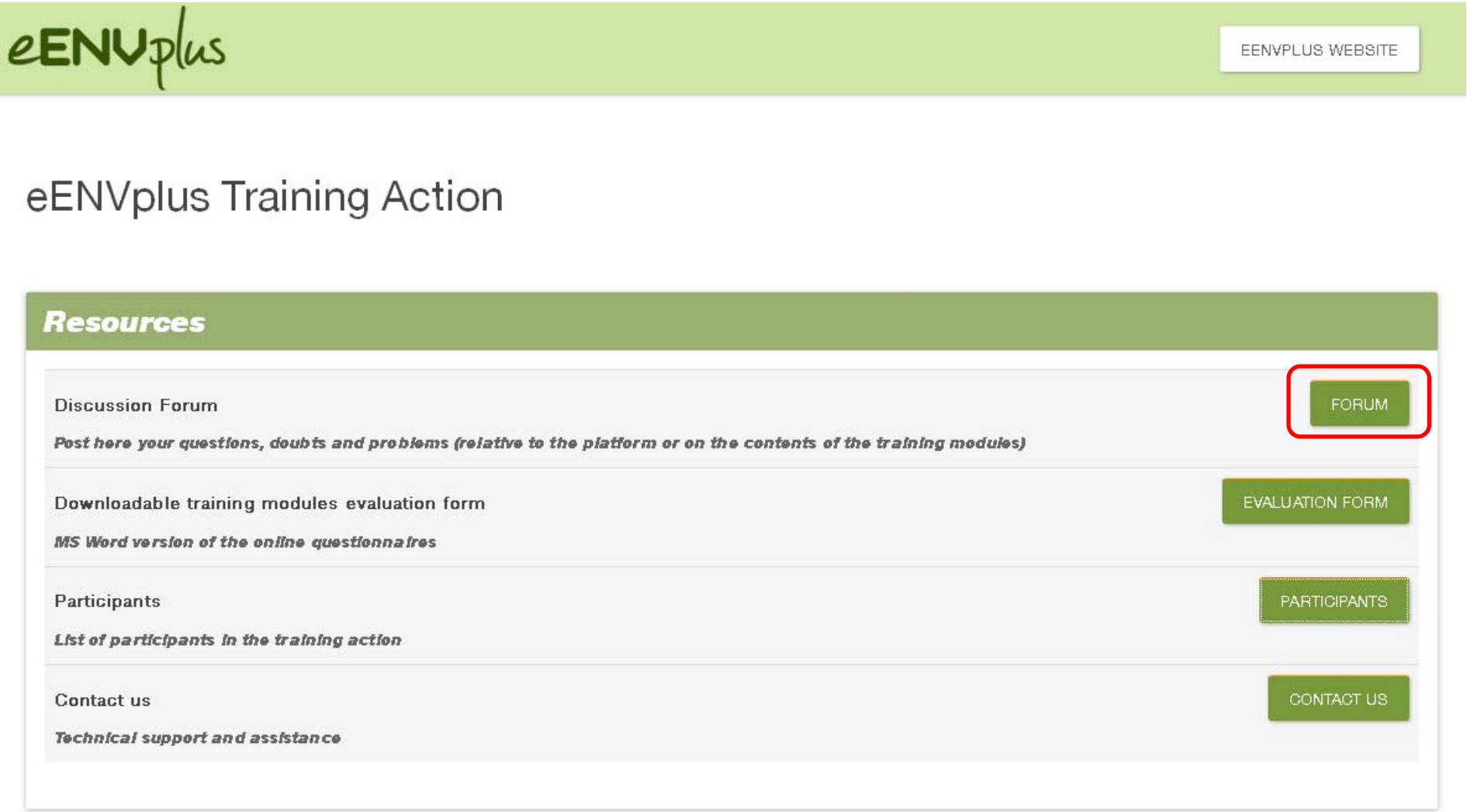
Discussion Forum ***Post here your questions, doubts and problems (relative to the platform or on the contents of the training modules)***	FORUM
Downloadable training modules evaluation form ***MS Word version of the online questionnaires***	EVALUATION FORM
Participants ***List of participants in the training action***	PARTICIPANTS
Contact us ***Technical support and assistance***	CONTACT US

Training profiles

Select your profile to access the page with the training modules offered

Manager	ACCESS THE LEARNING PATH >>
Professional	ACCESS THE LEARNING PATH >>

Forum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Forum

Training Action eENVplus

The forum is a section that allows members of the course to communicate in a structured way through messages. It can be used for questions, concerns and problems (of a technical nature relating to the platform or on the contents of the modules). For a correct use of the forum each intervention must contain:

- the course and / or module to which you are subscribed
- a detailed description of the problem or doubt about the form

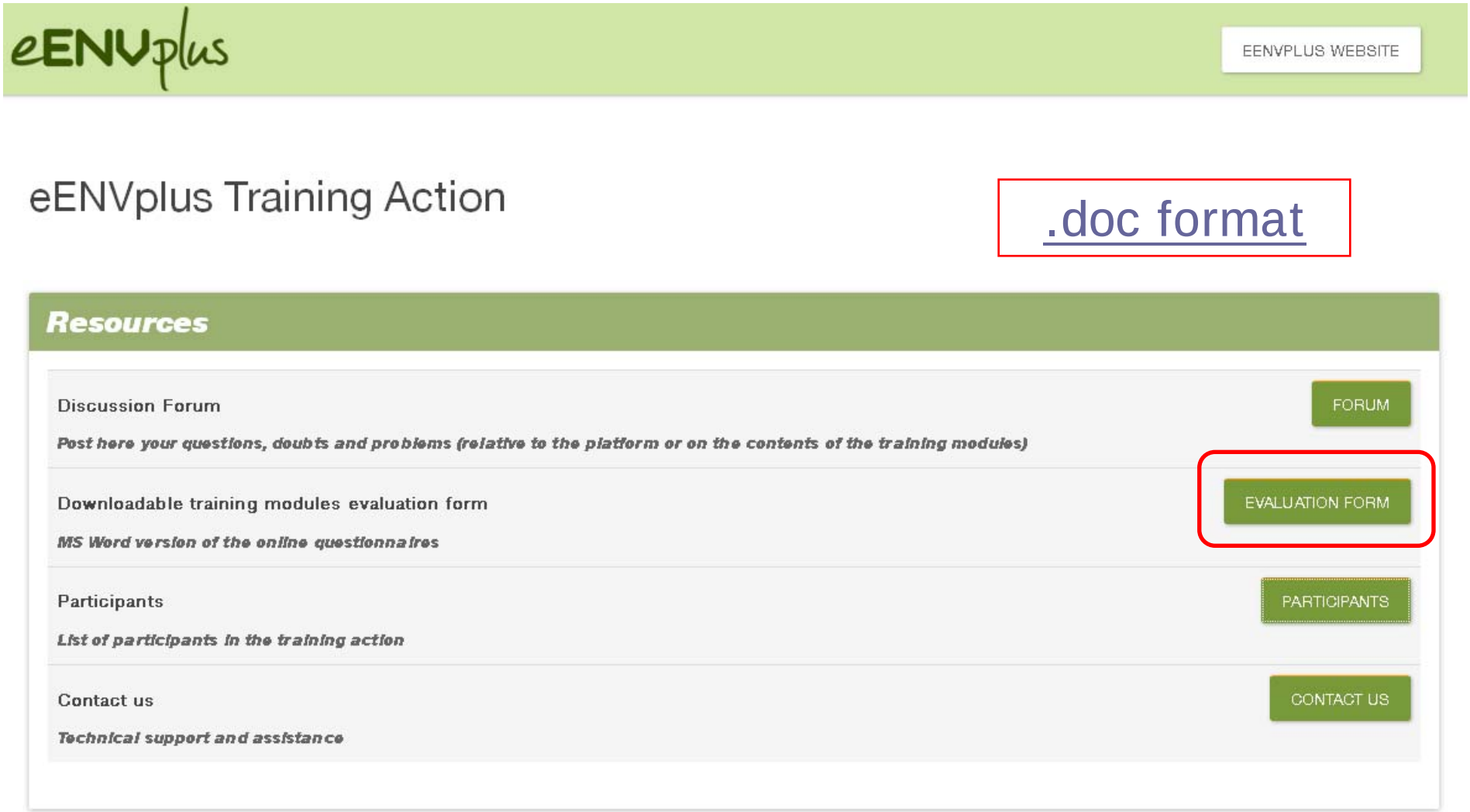
Add a new discussion topic

(There are no discussion topics yet in this forum)

Evaluation Questionnaire

- Evaluation questionnaire for training actions
  - It is a questionnaire to be submitted to the participants in training actions which studied for getting feedbacks on the quality of training itself, in terms of material, methodology, tutoring, didactic approach.
  - It includes comments on the use of the eLearning platform (navigation, organisation of the material, available tools), linkage and impact on working activities, if applicable.
  - Also required as "confirmation of participation" for those who want to apply for a certificate of participation
  - .doc format, if useful to the **online** **filling**

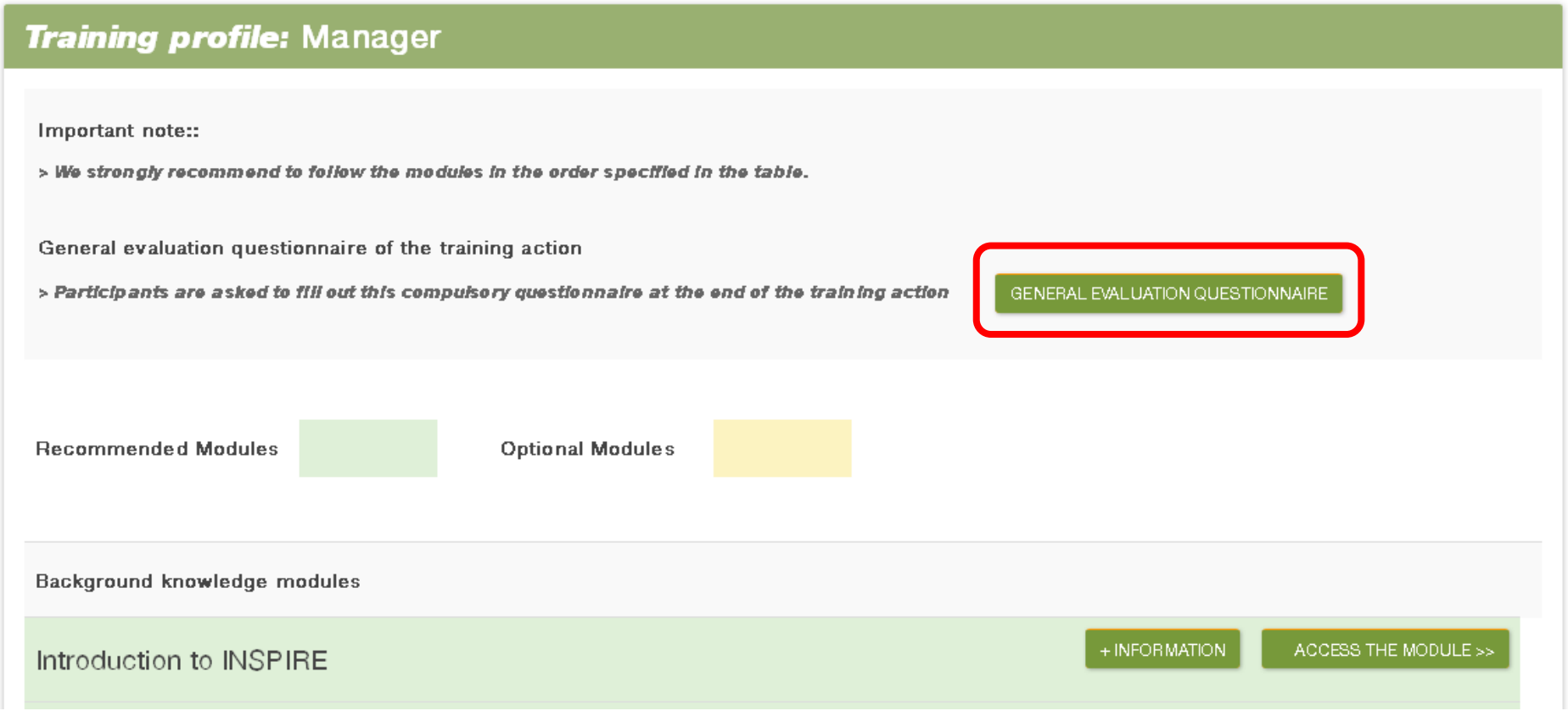
Evaluation Questionnaire



Online Evaluation Questionnaire 1/3

eENVplus Training Action

on-line format



Online Evaluation Questionnaire 2/3

Evaluation of the whole Training Action

Comments on the use of the e-learning platform and quality of learning material

(5=strongly agree, 4=agree, 3=neutral, 2=disagree, 1= strongly disagree)

- Use of the platform:
- Organization of the learning paths:
- General considerations on the use of the training material and the e-learning platform

Impact of the training action on the own working activity (for those learners that work)

- Relevance of the learned contents with respect to the working tasks
- Please provide examples on how the training helps you in your work

Impact of the training action on University and High School studies (for students of Universities and High Schools)

- Usefulness and complementarity to the curricula:

Appropriateness of contents

- There were subjects and contents that you expected and did not found? And vice versa subjects that in your opinion should be dropped from the training module?
- Which part was more relevant in relation with your interests?
- Which part was less relevant in relation with your interests?
- Any other comment

Online Evaluation Questionnaire 3/3

Evaluation of the whole Training Action

Mode: User's name will be logged and shown with answers
(*)Answers are required to starred questions.

Profile (pls select the profile more suitable with your working activity)*

- ○ Manager
- ○ Professionals

Comments on the use of the e-learning platform and quality of learning material

***Use of the platform**: (5=strongly agree, 4=agree, 3=neutral, 2=disagree, 1= strongly disagree)*

easiness to find the necessary information (modules, assignments, background information …);

easiness to navigate through the modules and related learning material, etc.

It is easy to use the e-learning platform *

○ 1 ○ 2 ○ 3 ○ 4 ○ 5

I received adequate technical support when needed *

○ 1 ○ 2 ○ 3 ○ 4 ○ 5

Organization of the learning paths:

The learning paths are organized in a logical way *

○ 1 ○ 2 ○ 3 ○ 4 ○ 5

The learning paths helped me organizing my studies *

○ 1 ○ 2 ○ 3 ○ 4 ○ 5

Don’t forget to register and have a good Training Action!!!