



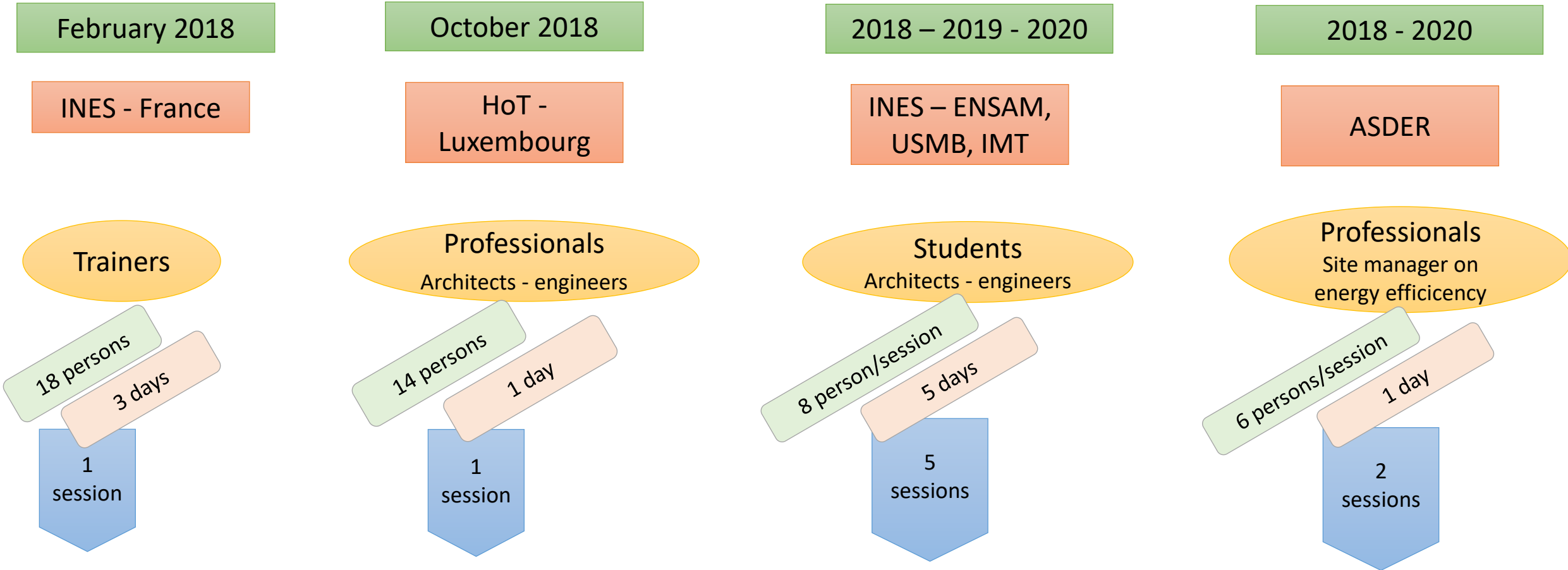
BIMEET Trainings

BIM for Energy Efficiency training

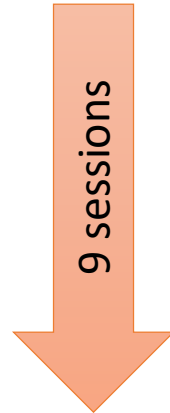
Donia Marzougui
INES France

BIMEET External Experts Advisory Board Meeting
November 26th, 2019 – Brussels, Belgium

BIM for Energy Efficiency Training – In-Class training



BIM for Energy Efficiency Training – In-class training



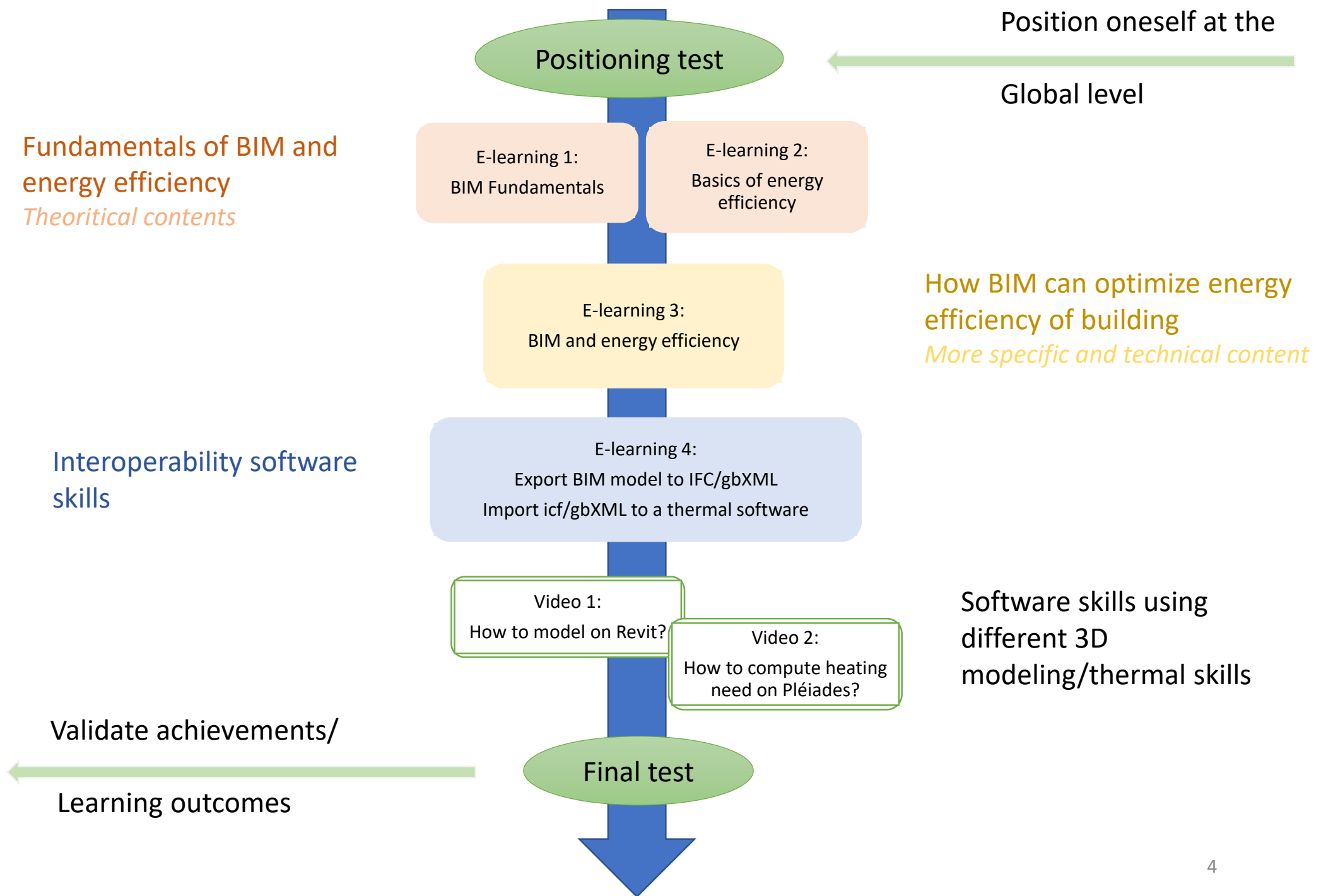
About 85 trained persons

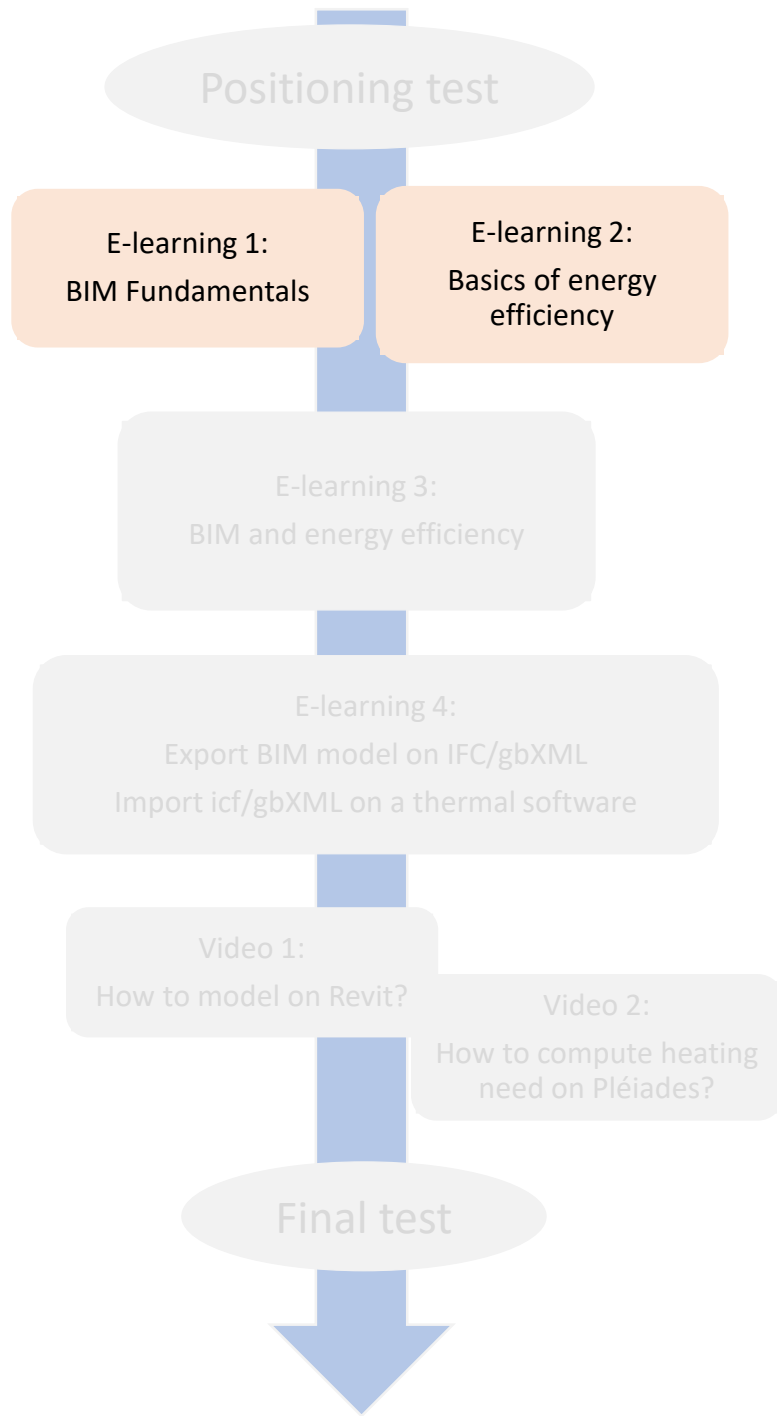


In order to increase the potential energy saving, we would increase the number of trained persons via e-learning trainings



Full e-learning training

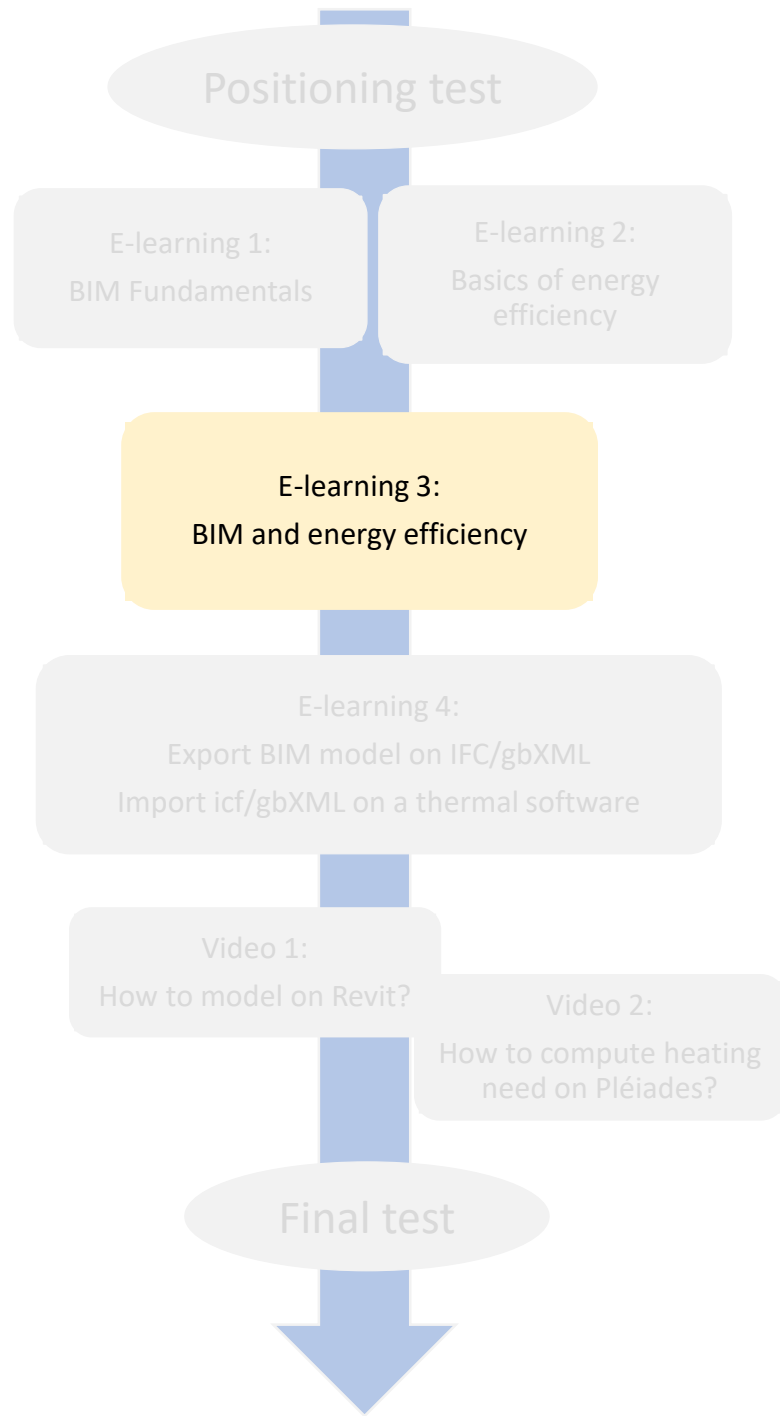




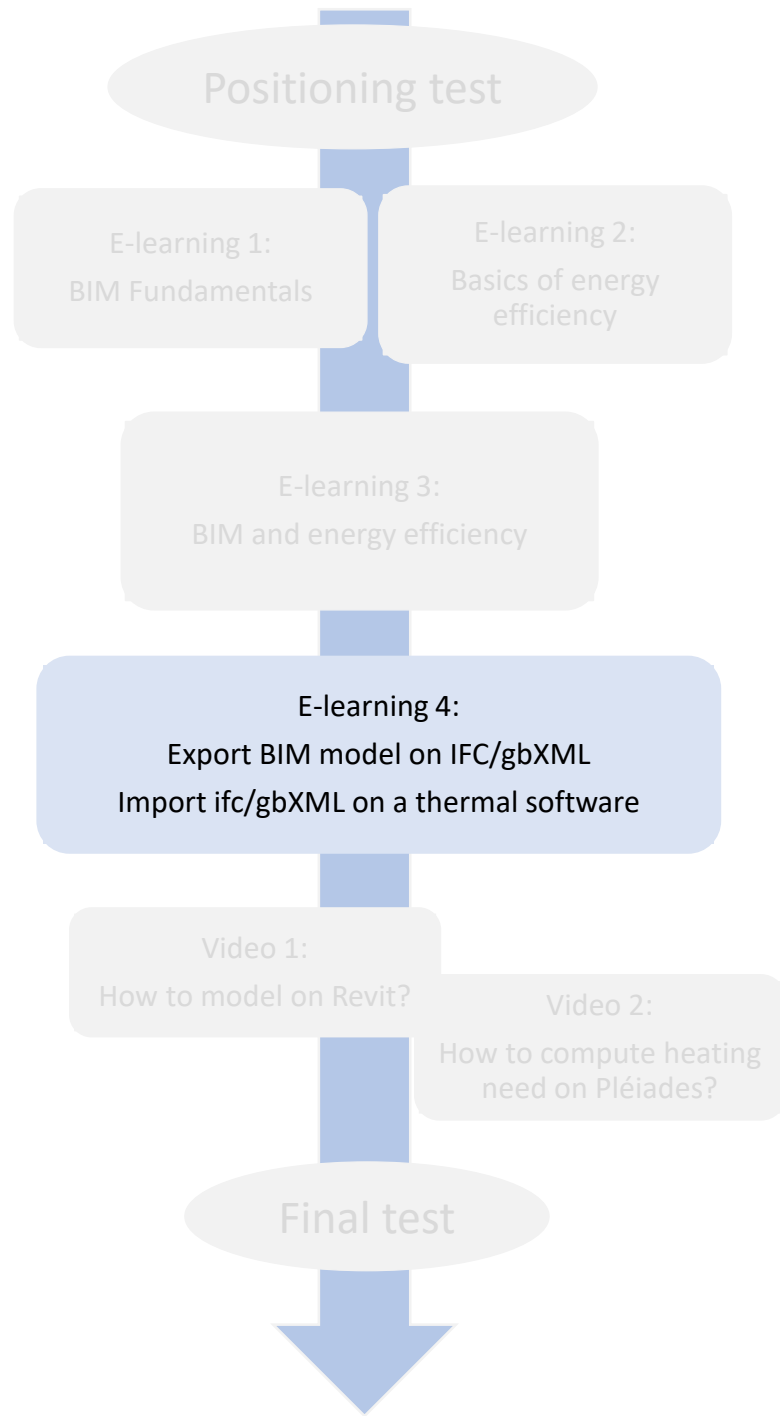
LO

Learner is able to explain the fundamentals of BIM and the underlying principles of uses with respect to building life-cycle
 Learner is able to explain the fundamentals of sustainable and energy-efficient buildings and building performance
 Learner is able to explain about the procedures and importance of setting targets for energy, sustainability and building performance
 Learner is able to explain and use BIM based collaboration methods for project management and processes
 Learner is able to explain basic objectives of using BIM during different stages of the building
 Learner is able to prove comprehensive knowledge about BIM terminology, definitions and national guidelines for building information modelling

Level	5-6	
Content	BIM definition BIM benefices Interoperability LOD BIM models (3D→7D) BIM in a construction project	Energy context How to evaluate building energy performance Losses calculations Energy regulations
Means	PPT support	
Duration	30' + 30'	
Learning time	180'	



LO	Learner is able to implement energy performance, building performance and sustainability targets into design process is able to create and develop sustainable energy efficient buildings using BIM tools
Level	6-7
Content	BIM and EE in a construction project BIM to BEM workflow BIM to BEM softwares New responsibilities
Means	PPT support
Duration	20'
Learning time	60'



LO

Learner is able to use different relevant softwares and interfaces between relevant softwares

Learner is able to understand and correct interoperability errors

Level

6-7

Content

Export BIM model to IFC/gbXML model using Revit
Import IFC/gbXML model on Pléiades
Understand and correct errors

Means

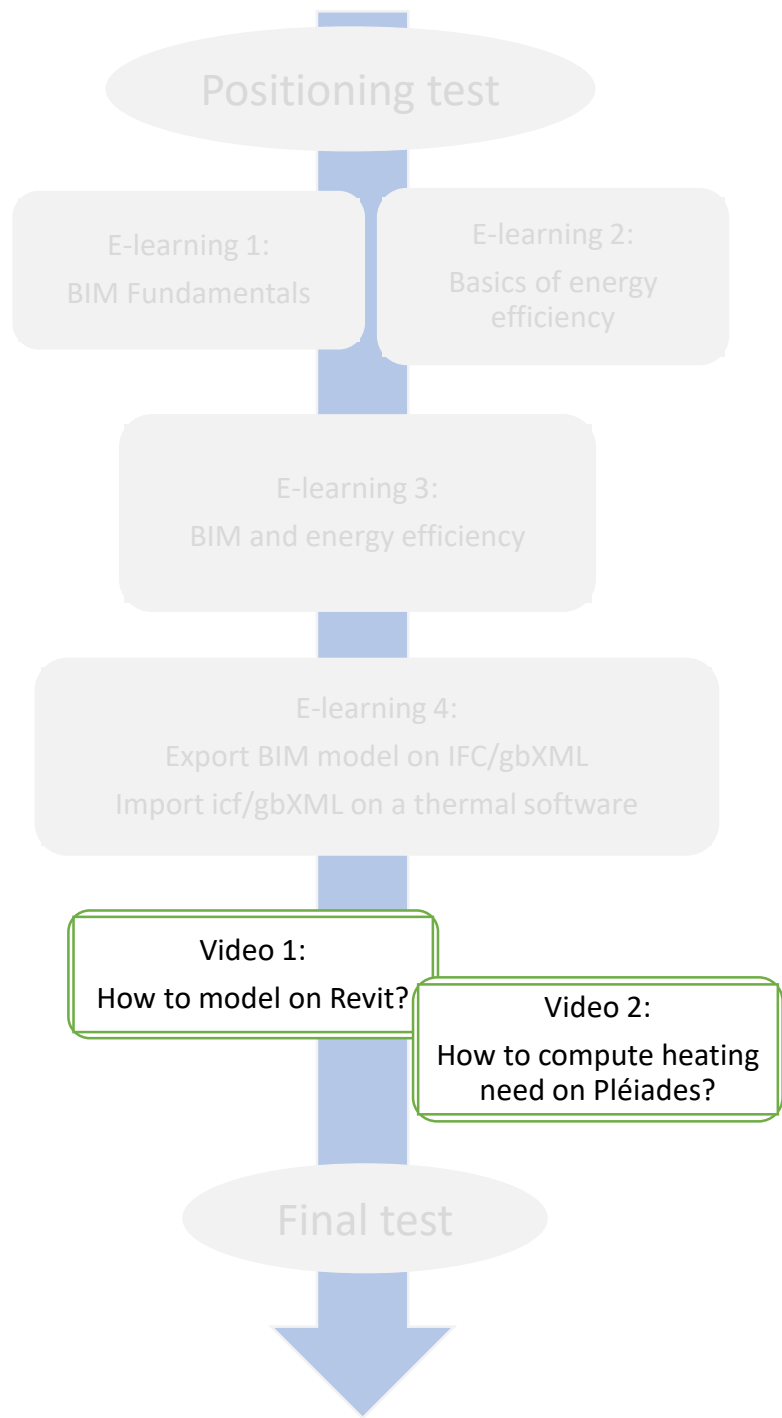
PPT

Duration

15'

Learning time

45'



LO

Learner is able to prove skills in using BIM-based design software

Learner is able to produce BIM models with accurate and required information content for different uses and phases of a building project

Learner is able to produce different design concepts and make feasibility comparisons with help of simulations to achieve targets set by client

Level

6-7

Content

Software configuration
Object properties
How to configure architectural elements (level, wall, window,...)

Understand composition tab,

Means

PPT

Duration

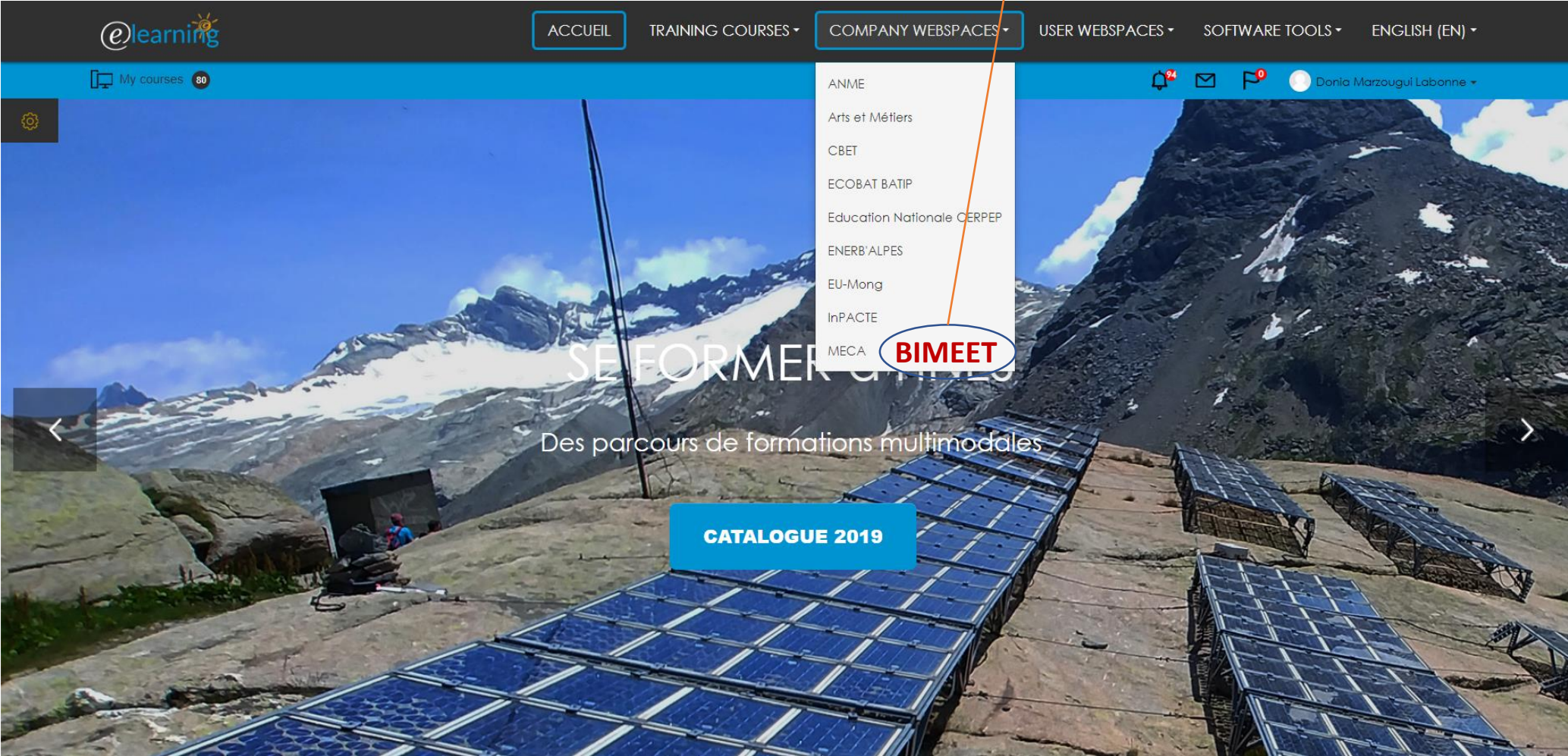
15'

Learning time

45'

INES E-learning platform

Online by the end of January, 2020



Questions

- Shall we stay on a full e-learning scheme?
- Or a Blended learning for the BIM&EE training?
- Which modules should be in-class?