Launching the Moodle e-Learning Platform

inform

interact

collaborate

Agenda

- What is Moodle?
- Learning Theories
- Why Moodle?
- What's in it for me, what's in it for AARC?
- Sample from the SIRTFI module
- Moodle as the center for L&D – Training types
- Practice Session
- Questions and Feedback

AGENDA

Topics

What is Moodle?

Introduction

- Moodle is a complex, yet user-friendly open source Learning Management System

- It allows for interactive multi-media content, as well as for reading materials

- Users, trainers, and stakeholders can interact and collaborate

Introduction

What is Moodle?

Introduction

- Different training formats – all in one place
  - ✓ Modular approaches
  - ✓ Competency based trainings
  - ✓ Social Learning
  - ✓ Flipped Classroom

Introduction

Learning Theories

- ARCS Model

Attention	**R**elevance	**C**onfidence	**S**atisfaction
• Engage • Signpost • Activate	• Signpost • Assumptions • Knowledge	• Guidance • Performance • Feedback	• Reinforce • Acknowledge • Summarize
Use real stories, branding and challenges	Identify clear benefits, relate to work situations	Contextualize assessment exercises and scenarios.	Track completion of learning and praise performance

Learning Theories

- GAGNE'S Nine events of learning

Gain Attention	Elicit Performance	Provide Feedback
Inform Learner of Objectives	Provide Learner Guidance	Assess Performance
Stimulate Recall of Prior Learning	Present Stimulus Material	Enhance Retention and Transfer
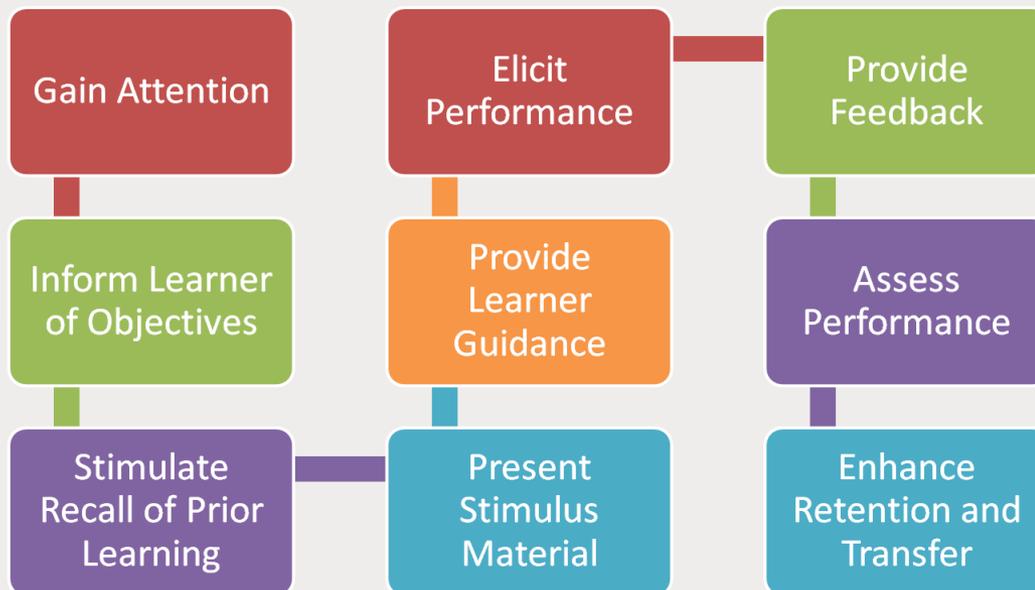
Learning Theories

Learning Theories

- KNOWLES Model

Learning Theories

Why Moodle?
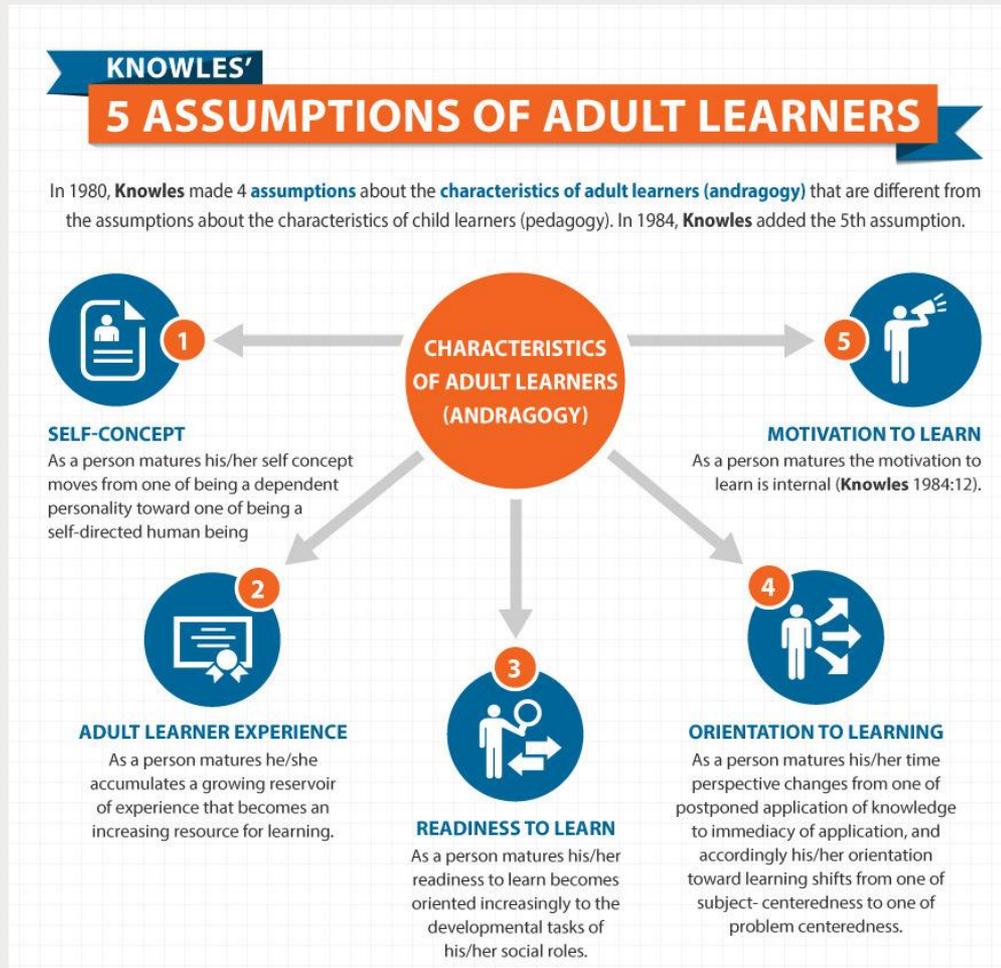
Inform

- Learning happens on three levels:
  - ✓ Cognitive
  - ✓ Affective
  - ✓ Behavioral

- If you need to inform people, you will mainly address the cognitive level

- The affective level plays a part in learner motivation, as well as in trainings that aim at behavior change

- The mix of different types of resources helps to motivate learners to engage with the topic

Inform

Why Moodle?

Inform

- The quality of learning activities are what make or break the experience for the learner and the success of your instruction

- Here is a sample of what is possible:

Learning Activities in Moodle

Learning activities

Why Moodle?

Interact

- Humans are social beings

- Especially adult learners want to make sure that the content is relevant and directly applicable

- If they are unable to directly apply content, they need be able to ask questions and exchange ideas and challenges with a community

- Here is a sample of what is possible:

Learning Activities in Moodle

Learning activities

Why Moodle?

Collaborate

- Building a community of practice
- Motivate learners
- Foster exchange and collaboration
- Here is a sample of what is possible:

Learning Activities in Moodle

Learning Activities

e-Learning with Moodle

- Reach a broader audience
- Who is the audience?
  - Who is in?
  - Why are we in?
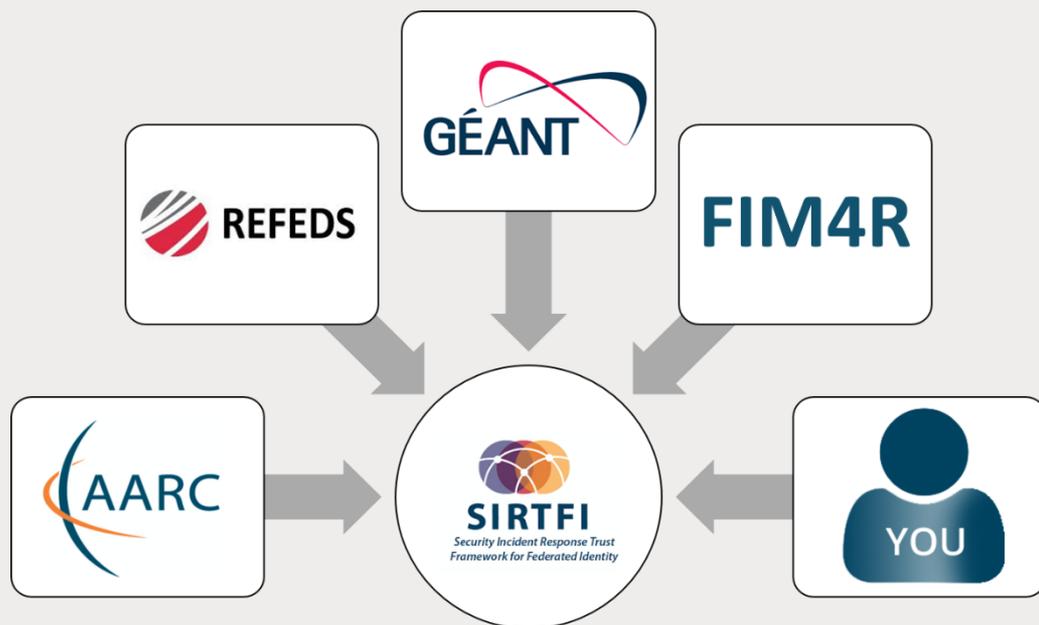
What's in it for me, what's in it for AARC?

Advantages

Who is in?

Who	SP	IdP	Federation
Role	I provide services to researchers, with identities historically controlled by providers I know and trust	I give my researchers an identity to grant access to services	Allow SPs and IdPs to interoperate
Impact of eduGAIN	eduGAIN provides a pool of identities from providers that I may not know, and over whom I have no influence/authority	EduGAIN lets my researchers access services that I may not know or trust	EduGAIN allows my SPs/IdPs to interact with entities outside my control
Sirtfi	I can use Sirtfi to ensure that (encourage) my users to access secure services, and establish a channel of communication with those services in case of a security incident	I can use Sirtfi to ensure that (encourage) my users to access secure services, and establish a channel of communication with those services in case of a security incident	I can use Sirtfi to protect my members

Why are we in?

	SP	IdP	Federation	eduGAIN
SP	I should adopt Sirtfi to advertise that I am a secure service (encourage IdPs to trust me), and to broadcast my security contact information.	I would like SPs to adopt Sirtfi so that I know my users are accessing secure sites, and to provide a contact point for incident handling	I would like SPs in my federation to adopt Sirtfi to reflect the level of security provided by my services and to enable me to handle security incidents efficiently and effectively.	We want security incindet response to work, to maintain the trust that eduGAIN participants have in eduGAIN
IdP	I would like IdPs to adopt Sirtfi so that I can identify trustworthy soruces of identity to grant access to my critical infrastructure, and to provide a contact point for incident handling	I should adopt Sirtfi to advertise that I am a source of identities covered by good security practices, and to provide a contact point for incident handling	I would like IdPs in my federation to adopt Sirtfi to reflect the level of security provided by my identity providers and to enable me to handle security incidents efficiently and effectively.	We want security incindet response to work, to maintain the trust that eduGAIN participants have in eduGAIN

e-Learning with Moodle

- Reach a broader audience

- Allow everyone to have an excellent learning experience

- Find all the training materials in one place, at a glance

- Create a community of practice

- Tackle knowledge management issues

- Unify the communication and distribution strategy of courses offered

- Save time and money, because there is less travelling and less time spent in face-to-face settings

What's in it for me, what's in it for AARC?

Advantages

Taking SIRIFI into an online learning environment

- Are you ready for SIRTFI?
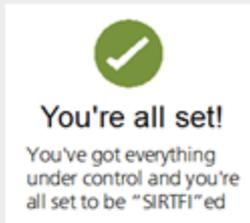
Sample from the SIRTFI Module

SIRTFI

Taking **SIRIFI** into an online learning environment

- Challenges
- Steps: inform, interact, collaborate

Sample from the SIRTFI Module

eduGAIN
Voting only
Candidate

Source: https://technical.edugain.org/status

SIRTFI

Taking SIRTFI into an online learning environment – Inform

- Resources that are used as references
- Give a quick overview
- Contain a checklist that helps people see if they are SIRTFI compliant
- Give them the contact details and help them to join the project

Sample from the SIRTFI Module

Inform

Taking SIRTFI into an online learning environment – Interact

- Help people to check if they reached their learning goal

- Interactive materials with supporting audio

- Allow learners to ask questions and receive answers everyone benefits from

Sample from the SIRTFI Module

Interact

Taking SIRTFI into an online learning environment – Collaborate

- Creating a community of practice
- Foster exchange of best practice examples and challenges solved
- Run online live webinars for deep learning and discussions in real time
- Allow learners to meet online to discuss

Collaborate

Delivering Training – SIRTFI

- Short Live Demo of Moodle

Sample from the SIRTFI Module
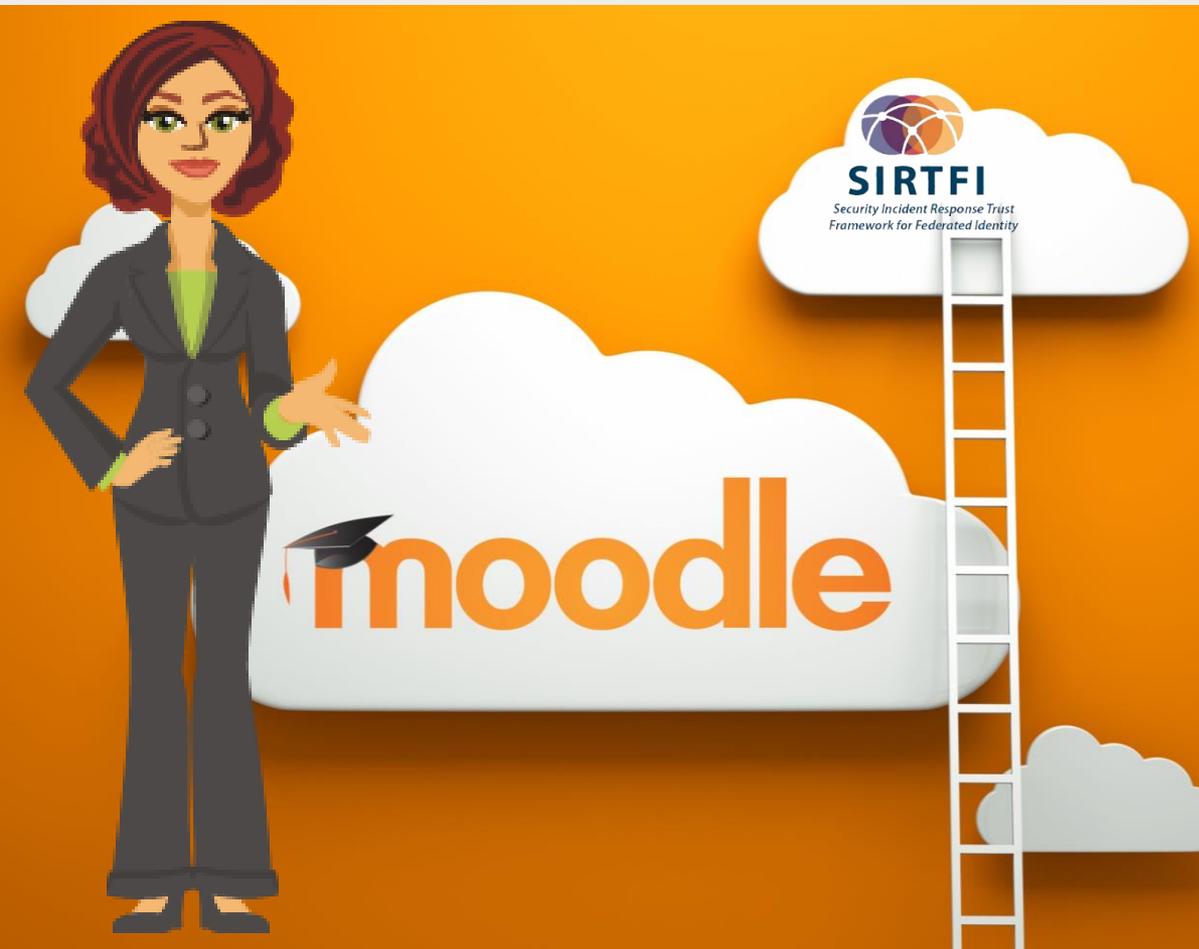
Activities

Hands-on approach for global projects

- Moodle allows for different types of training and delivery:

- Modular approaches for
  - ✓ SIRTFI
  - ✓ Blue Print Architecture
  - ✓ Attribute Release
  - ✓ Data Protection
- Competency based approaches for
  - ✓ Complex topics that require mastering different skills
  - ✓ Soft Skills trainings
  - ✓ Leadership skills trainings
  - ✓ Intercultural training

Moodle as the center for L & D

Opportunities

Hands-on approach for global projects

- Moodle allows for different types of training and delivery:

- Flipped Classroom:
  - ✓ Trainings that require learners to enter a webinar/video conference well prepared
  - ✓ Meetings of the community that require in depth preparation

- Social learning
  - ✓ Can and should be included in any training to increase learner motivation
  - ✓ Helps the community to connect
  - ✓ Increases the level of reflection and self-reflection
  - ✓ Allows for better collaboration and communication

Moodle as the center for L & D

Opportunities

Hands-on approach for global projects

- Moodle allows for different types of training and delivery:

- MOOCS
  - ✓ There is (almost) no limit with regard to the number of participants
  - ✓ Mix of asynchronous and synchronous elements is possible

- Webinars
  - ✓ It is possible to run webinars through an open source plugin
  - ✓ Video Conferencing allows for:
    - Use of a whiteboard
    - Live Videoconferencing / recording
    - Audioconferencing / recording
    - Note taking
    - Chat

Moodle as the center for L & D

Opportunities

Delivering Training – SIRTFI

- Practice session

Sample from the SIRTFI Module

Activities

SIRTFI – Taking learning online

Please go to:

https://devbs-geant.bilingualsolutions.de

Practice Session

MOODLE Dev Platform
Géant Academy

Log on with:

Username: demo-geant01-25
Password: DemoGe@nT+2017

Demo Course
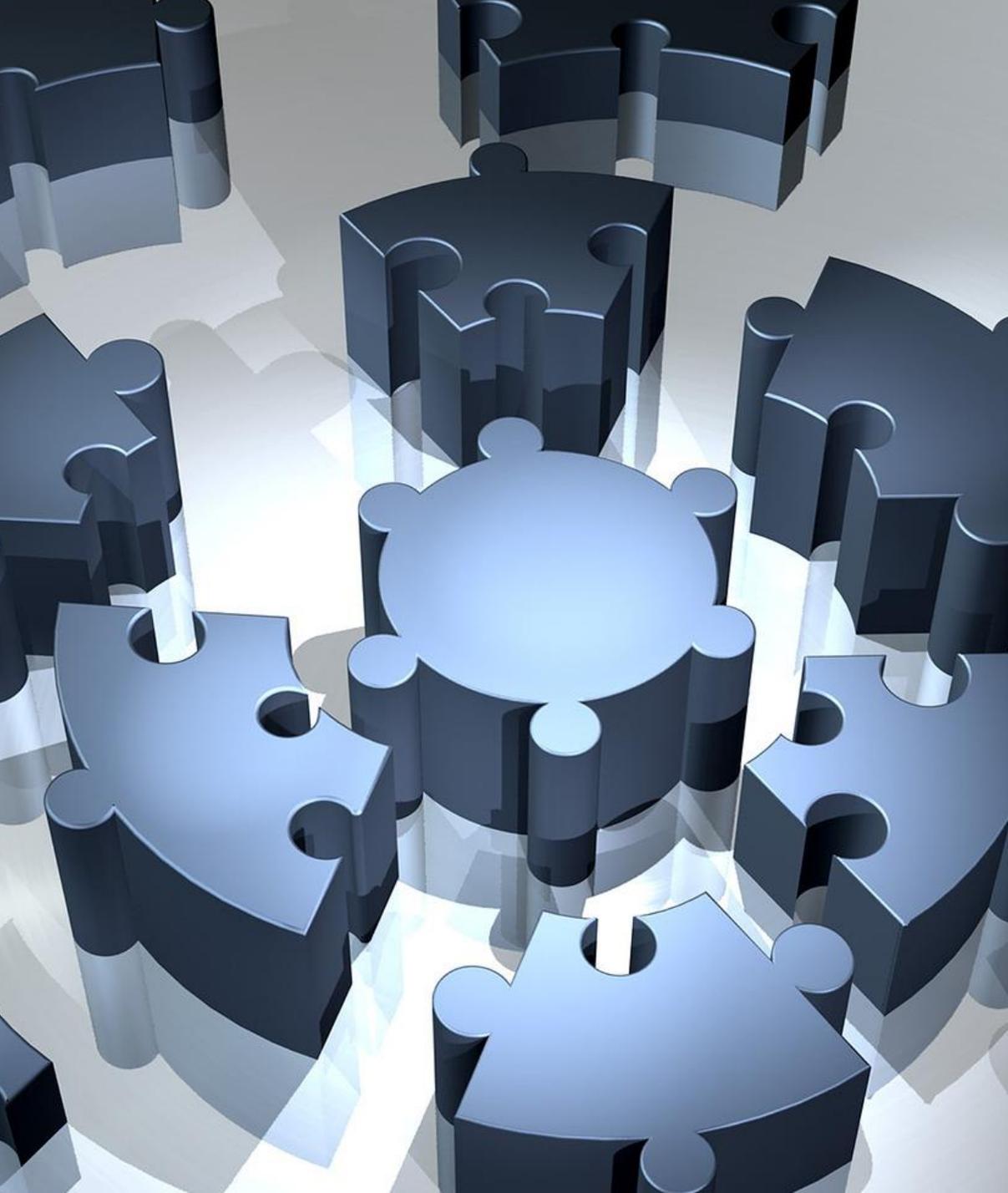
Questions and Feedback

Open Discussion