Orchestrating Learning Analytics (OrLA) workshop

María Jesús Rodríguez-Triana, Luis P. Prieto,
Roberto Martínez-Maldonado & Yannis Dimitriadis

LASI 2016, Bilbao (Spain)
Motivation

Teachers: why & how

Convince me that it's going to help me with an affordable effort

Should be a LA solution adopted?

System developers

What are the user needs to be covered & what are the requirements?

Researchers

What is the impact of LA on learning & orchestration?
Workshop goals

Learn about…

... main issues to consider

... a concrete way of tackling the communication

... among teachers, researchers and system developers

... when considering the adoption of a Learning Analytics tool in a concrete educational context
Workshop methodology

- Focus on doing stuff (vs. hearing stuff)
- Individual work and small group work
- Emphasis on concrete proposals (vs. academic/philosophic discussion)
- Application to your own contexts and practice
- Gathering information (photos, notes, paper artifacts)
Wait… gathering information? (Consent)

- **Purpose:** We are currently evaluating the framework presented here
- **Data:** If you agree, we will take photos, ask you for questionnaires, analyze the paper artifacts
- **Consent:** This is completely voluntary, if you have a problem with it, we will not gather data from you
- **Opt out:** You can withdraw from the research at any point
- **Impact:** No negative impact in the enjoyment of the workshop

So… does anyone have a problem with it?
Workshop structure

1. **Introduction**: OrLA framework

2. **Group activity**: hands-on activity using the OrLA framework

3. **Wrap-up, questionnaires and evaluations**
A solution

Issues in the adoption of LA solutions

Teachers
- Current practice
- Contextual constraints
- Current technology

Actors
Activities

System developers
- Technological restrictions
- System features
- Data available
- Indicators

Researchers
- Learning theories
- Analytic methods
- Guidelines & principles
- Impact on learning
A first exercise (2 mins)

Write down in the paper with your name, 3-4 keywords related to:

- Your concrete educational **context** (if you are a **teacher**)
- Your Learning Analytics **tool** (if you are a **developer**)
- Your Learning Analytics research **innovation** (if you are a **researcher**)

Group distribution: find your team (5 mins)

Group 1:
- Teacher:
- Researcher:
- Developer:

Group 2:
- Teacher:
- Researcher:
- Developer:

Group 3:
- Teacher:
- Researcher:
- Developer:

Group 4:
- Teacher:
- Researcher:
- Developer:
Filling in the form I (15 min)

Take a form with the central part of your color and fill your part in

Teachers (yellow)
Researchers (blue)
Developers (green)
Filling in the form II (10 min)

Pass the form onto the next actor, and try to answer/comment on the responses provided there in the area assigned to your role.
Filling in the form III (10 min)

Pass the form again and comment again

Teachers (yellow)

Developers (green)

Researchers (blue)
Taking the decision (15 min)

Get together with the forms, **discuss whether the tool/solution should be adopted in that context and why**

Teachers

Researchers

Developers
Share your experience (1 min per group!)

1. Brief description about the educational context, tool, and innovation
2. What was the adoption decision? Why?
3. Did you get any ideas about:
   a. How LA solutions can support your educational context?
   b. How to adapt your LA tools?
   c. How to adapt your LA innovations?
Evaluating the OrLA framework I (5 min)

Please use the markers to point, in the forms your group just used:

- Which fields you found most important/revealing (+)
- Which fields you think are irrelevant (- -)
- Which questions were not clear (?)

- Teachers: red marker
- Developers: green marker
- Researchers: blue marker
Evaluating the OrLA framework II (3 min)

Please answer a short questionnaire about how you perceived the framework
Next steps

● We will upload the slides and the forms to the workshop website

● We will scan your group’s forms and send it to you (for your archives)

● If you want to use the framework in your contexts/practice, feel free to do so… but we’d love to hear it!
Thank you! We hope you enjoyed it :)


orla.lasi2016@gmail.com