



WATCHME

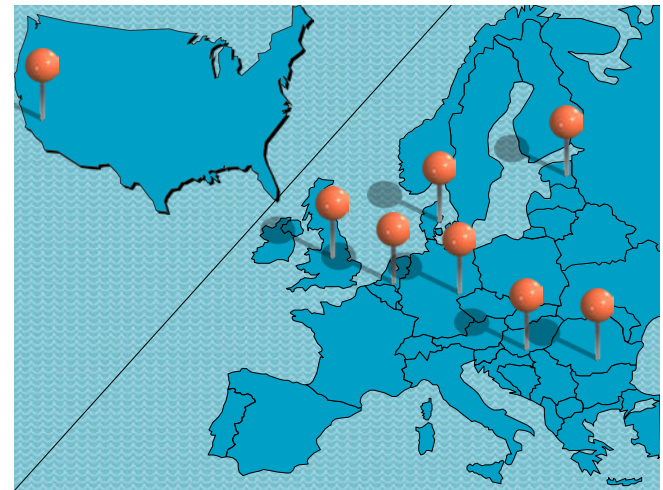
www.project-watchme.eu

INTRODUCTION
MATEUM



EU-PROJECT WATCHME

- **Workplace-based e-Assessment Technology for Competency-based Higher Multi-professional Education.**
- 7th Framework, ICT Call 11
- Objective ICT-2013.8.2
Technology-enhanced learning,
b) Learning analytics, educational data mining
- March 2014 – February 2017
- 11 partners



PARTNERS

User partners:

1. Utrecht University, NL (**GENERAL LEAD**)
2. University Medical Centre Utrecht, NL
3. Szent Istvan University, Hungary
4. University of Tartu, Estonia
5. Universitätsmedizin Charité Berlin, Germany
6. University of California San Francisco, USA

Producer partners:

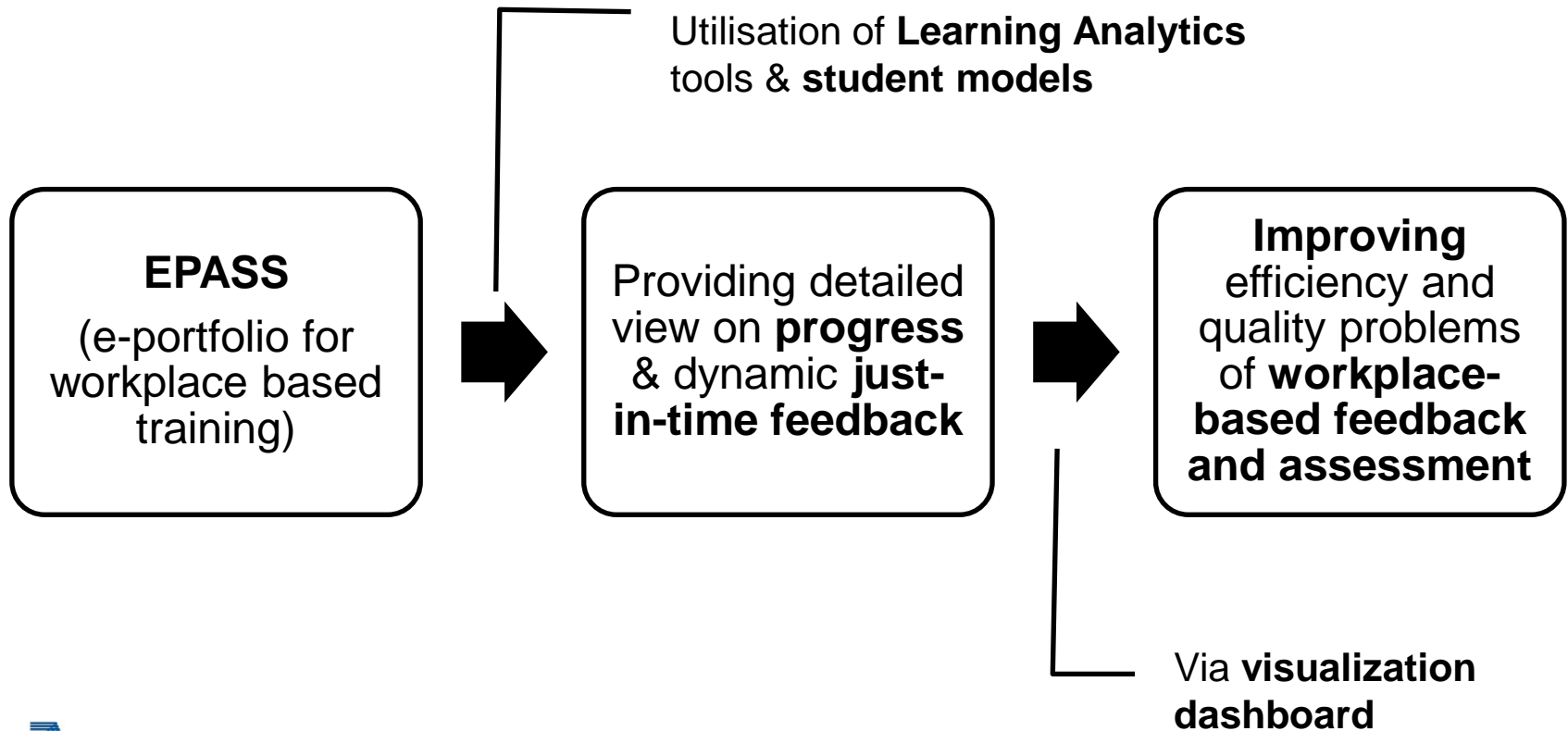
7. Maastricht University, NL (**TECHNICAL LEAD**)
8. Mateum, NL
9. University of Reading, UK
10. Jayway, Denmark
11. NetRom, Rumania/NL

Pilot with EPASS in 3 domains:

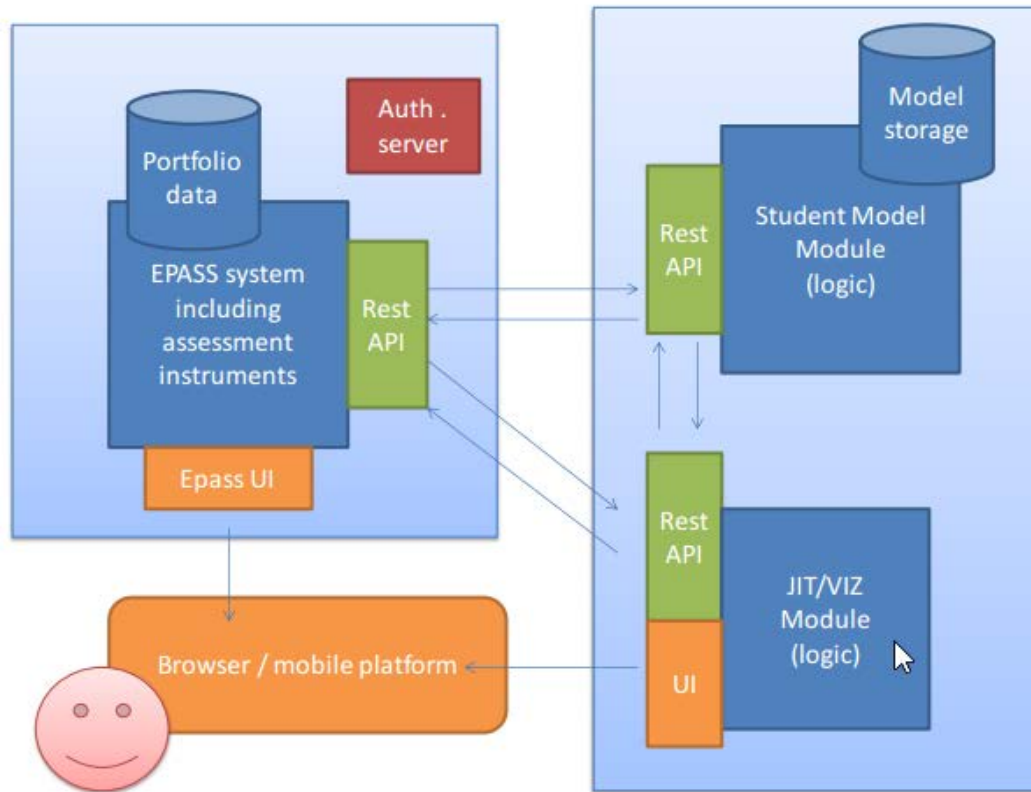
1. Veterinary medicine
2. Teacher training
3. Undergraduate medicine / Traineeship anaesthesiology



GOAL



ARCHITECTURE



JUST-IN-TIME FEEDBACK

The screenshot displays the EPASS user interface. At the top, there are navigation tabs: DASHBOARD, INSERT, PROGRESS, PROFILE, and MY EPASS. The main content area is divided into several sections:

- Personal data:** Displays user information for Martijn Holthuijsen, including university (MATEUM Farm animals), email, and phone number.
- Visualizations:** A line chart showing performance levels over time for three categories: CA 1 (History taking, general impression and general examination), CA 2 (Pain relief), and CA 3 (Respiration problem). The chart shows scores fluctuating between 1 and 4 on a scale of 1-5.
- Just in Time feedback:** A section providing specific feedback for each category. For CA 1 and CA 2, it indicates there is room for improvement and provides an 'Improvement feedback' button. For CA 1 and CA 2, it also shows 'Supervisor feedback' buttons.

Category	1-12-2015	1-1-2016	1-2-2016	1-3-2016	1-4-2016	1-5-2016	1-6-2016
CA 1 (Blue)	2.2	2.4	2.5	3.3	3.4	3.3	2.8
CA 2 (Green)	1.8	2.0	1.8	2.8	2.8	2.8	2.8
CA 3 (Purple)	1.5	1.2	1.2	1.3	1.3	1.8	1.8

EPASS displays just-in-time feedback regarding one or more EPAs:

- Improvement feedback
- Supervisor feedback

JUST-IN-TIME FEEDBACK – VETERINARY MED

Just In Time feedback

CA 1. History taking, general impression and general examination

There is room for improvement on this EPA. In order to improve your score, you should achieve the next level in either of the competencies. **Improvement feedback**

Your supervisor added some feedback on this EPA. **Supervisor feedback**

CA 2. Pain relief

There is room for improvement on this EPA. In order to improve your score, you should achieve the next level in either of the competencies. **Improvement feedback**

Your supervisor added some feedback on this EPA. **Supervisor feedback**



Just In Time feedback

[<< Back](#)

CA 2. Pain relief

There is room for improvement on this EPA. In order to improve your score, you should achieve the next level in either of the competencies.

You are at level 2 (sufficient) on Collaboration. The criteria for the next level are: "Is partly structured and organized. Is partly prepared. Has difficulty with time management. "

You are at level 1 (starting) on Veterinary expertise. The criteria for the next level are: "Many irrelevant questions. Incomplete. Very low pace.Lacks structure and cohesion".

You are at level 2 (sufficient) on Scholarship. The criteria for the next level are: "Partially open to feedback, does not request it. Tries to reflect, though misses depth and does not know how to transform reflection to concrete learning goals / actions. Seems aware of limits in own knowledge and abilities, but does not come forward on these. Possibly resulting in endangering patient/owner. Insufficiently aimed at improvement of own professional

JUST-IN-TIME FEEDBACK

Check JIT before or during workplace-based assessment:

E.g.: “mind your communication skills towards the patient owner. Explain treatment in simple words”.

EPA: *

CA 3. Respiration problem

Show/Hide requirements of this EPA

Show/Hide feedback on this EPA

Improvement feedback

There is room for improvement on this EPA. In order to improve your score, you should achieve the next level in either of the competencies.

Improvement feedback

You are at level 2 (sufficient) on Communication. The criteria for the next level are: "Does not meet all agreements. Partially sticks to division of tasks. Partially open to opinions of team members. Does not actively interact in discussion."

You are at level 1 (starting) on Collaboration. The criteria for the next level are: "Disorganized and unstructured. Not prepared. Does not keep track of time or agreements. Works sloppy".

You are at level 1 (starting) on Health and welfare. The criteria for the next level are: "Struggles with interpretation of information and has difficulty with defining the problem. Has difficulty with formulating a solution/plan. Plan is not based on literature. Incapable of instructing others."

You are at level 1 (starting) on Scholarship. The criteria for the next level are: "Not open to feedback, defensive. Not critical enough on own professional conduct and insufficiently aims for improvement. Has insufficient personal insight and seems unaware of limits in own knowledge and abilities. Possibly resulting in endangering patient/owner".

Supervisor feedback

Your Supervisor commented: "you looked really unprepared as if it was your first time. Next time try to make sure you know what kind of patients are on the list, so you are informed" (15/04/2016)

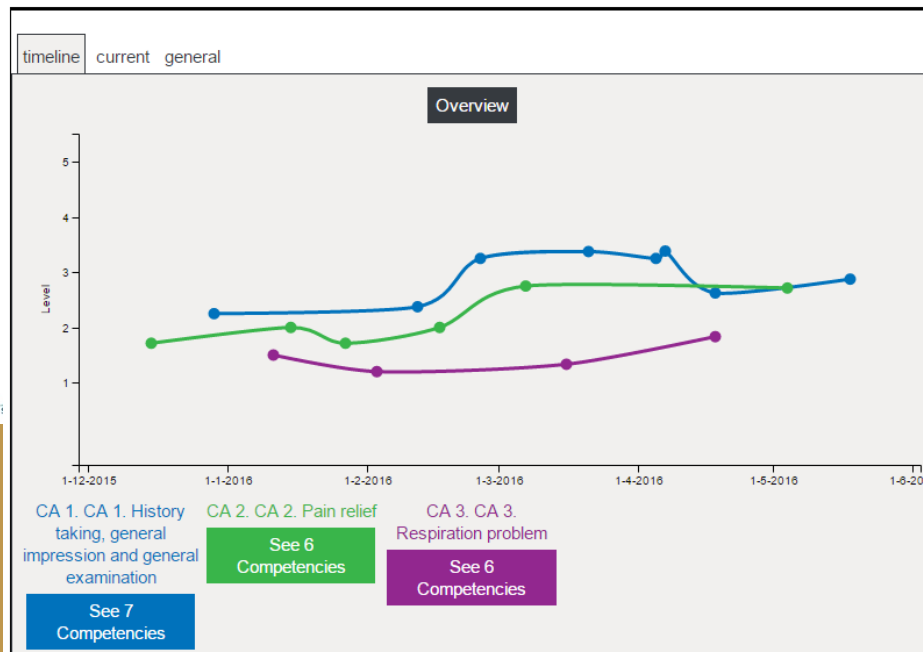
Clerkship: *

VISUALIZATION - STUDENT

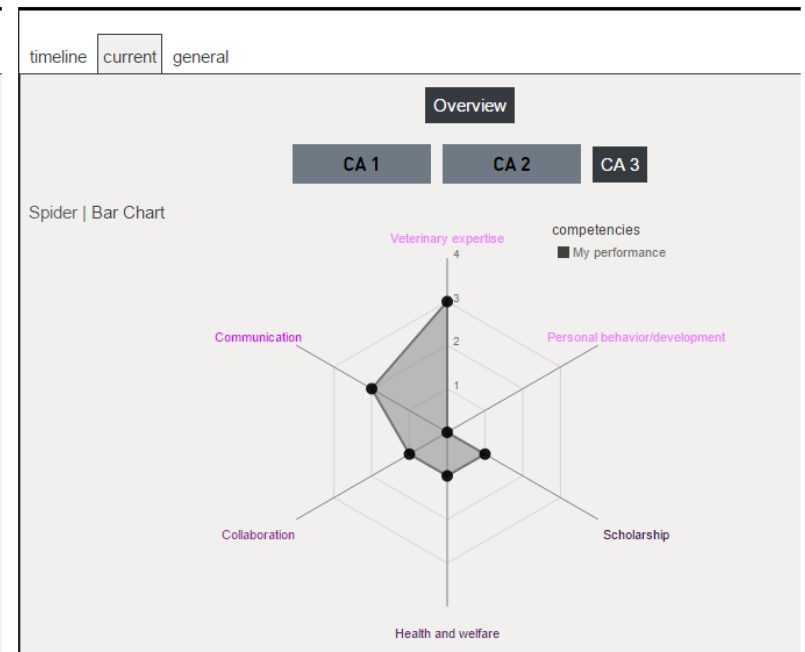
EPASS displays visualizations regarding one or more EPAs.

- Progress on EPA level in time
- Current performance per EPA & performance on relevant competencies for an EPA
- General overview regarding entrustment decisions per EPA

Visualizations

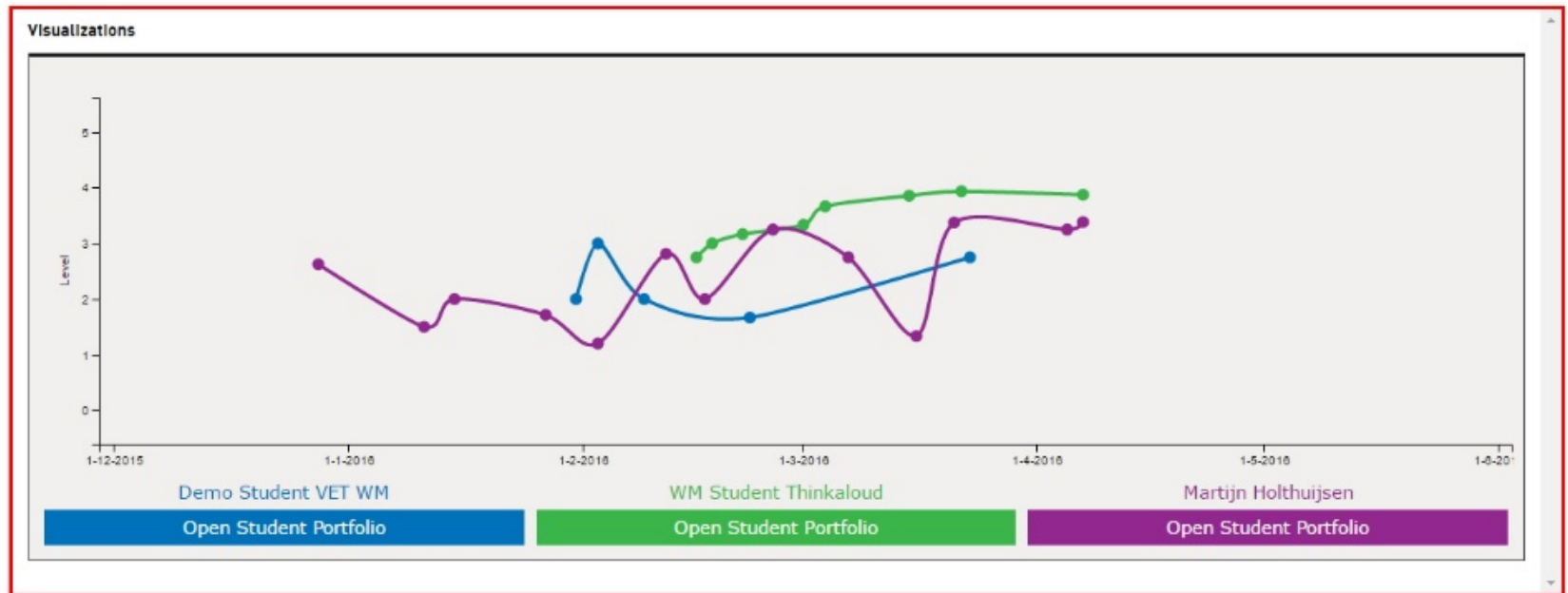


Visualizations



VISUALIZATION - SUPERVISOR

Supervisor has complete overview of progress on students EPA levels in time.



CURRENT SITUATION / PROGRESS

- Requirements for Just-in-Time (JIT) feedback and visualization (VIZ) modules defined
- API's, Student Models, JIT & VIZ modules developed, tested and implemented
- Further development of e-portfolio's for all educational partners
- Formative evaluation ended and processed
- Start summative evaluation September/October 2016

PLANNING 2016-2017

- Start pilot for summative evaluation
- Dissemination and exploitation
- February 2017: end of project

