



iLab

The Interdisciplinary Lab at the
St. Pölten University of Applied Sciences

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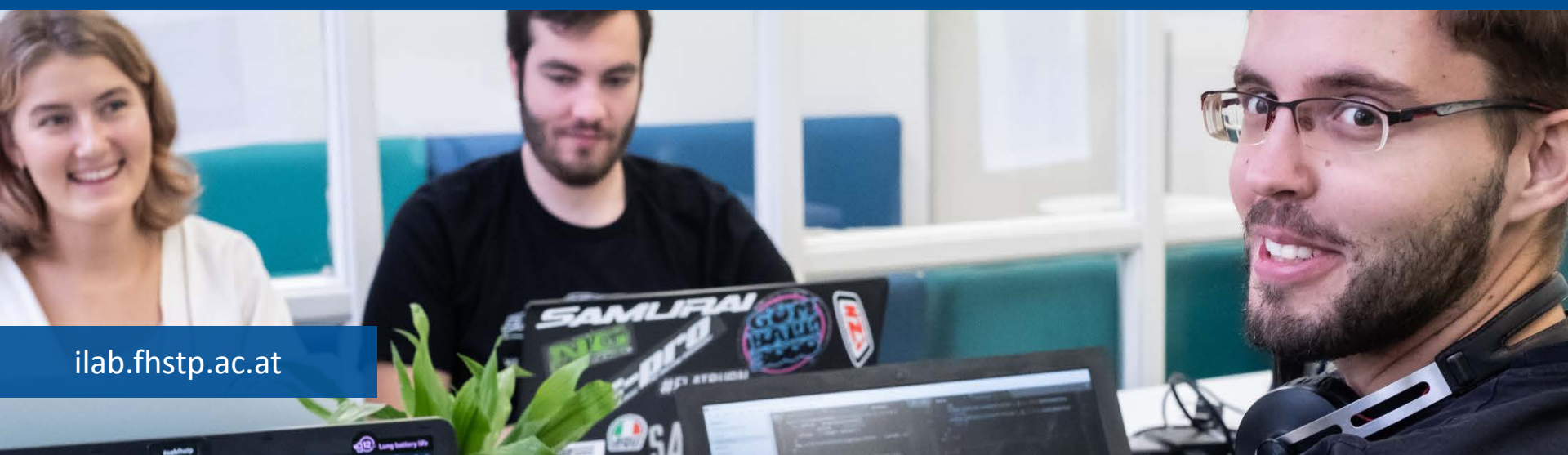
iLab – Interdisciplinary Lab

An interdisciplinary learning environment for students who are motivated to solve real-world problems and foster innovation

ilab.fhstp.ac.at

iLab (Interdisciplinary Lab)

- **i** for interdisciplinary team members from different disciplines
- **i** for international incoming students from all over Europe take part
- **i** for intercultural cross-cultural teams, English as the working language
- **i** for innovative from the idea to the concrete implementation



Hard Facts

- **Full time**
- Daily (self-determined) **presence**
- Learning and teaching in **English**
- Work in a **team** that **organizes itself**
- Continuous **support** and ongoing **feedback**



Moduls of the iLab

iLab Concept Development 15 ECTS

- Problem based and demand based learning
- Design Thinking
- User Research

iLab Product Development 15 ECTS

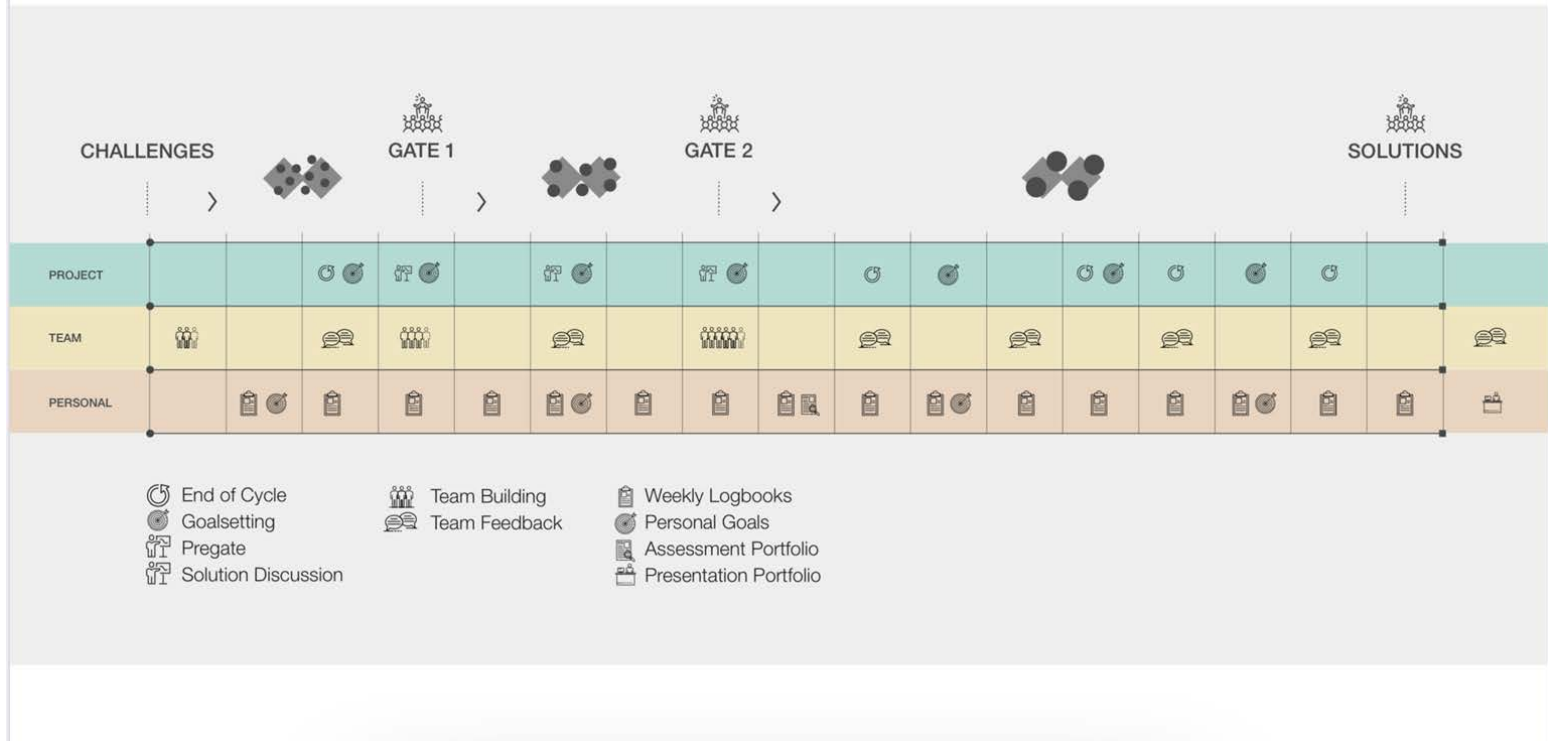
- Agile project management
- Coaching regarding students' own profession
- Prototyping and development

Interdisciplinary projects
Entrepreneurial attitudes
Personal goal setting and development



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iLab Process

Problems

Gate 1

Gate 2

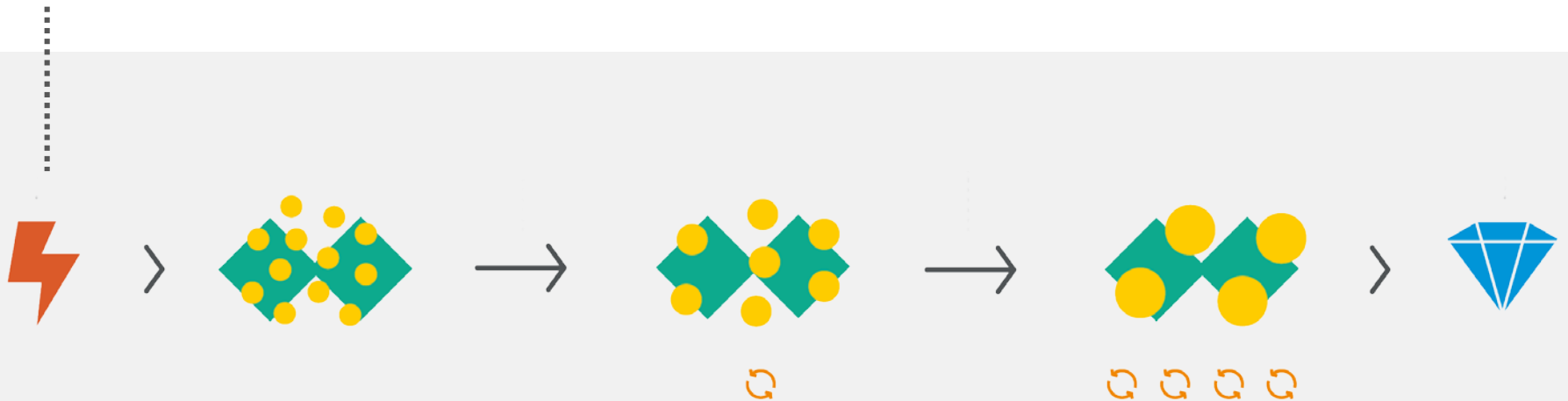
Solutions



◆ Design Process
● Team

iLab Process

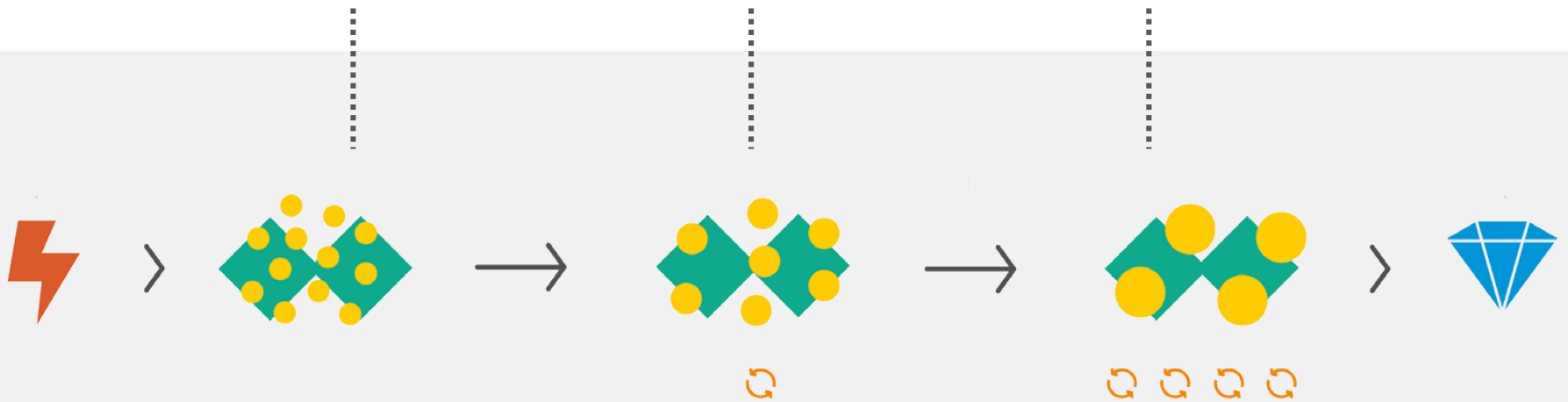
Examination of **socially relevant problems**



- How can we facilitate a better coexistence of refugees with different communities in Austria?
- How can we improve mobility in rural-peripheral areas?
- How can we support active mobility and motion in order to integrate mobility in a more sustainable enduring way in our everyday life?
- How can we counteract the skilled workers shortage in Austria?

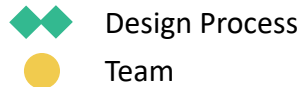
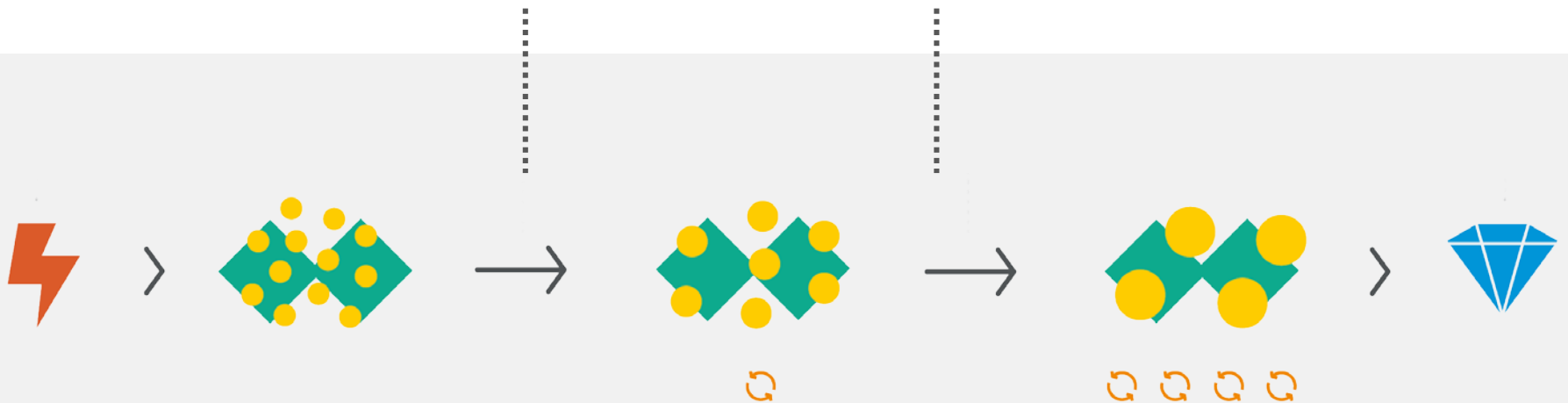
iLab Process

Start with small **teams**
Expand teams after **Decision Gates**



iLab Process

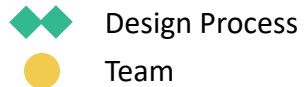
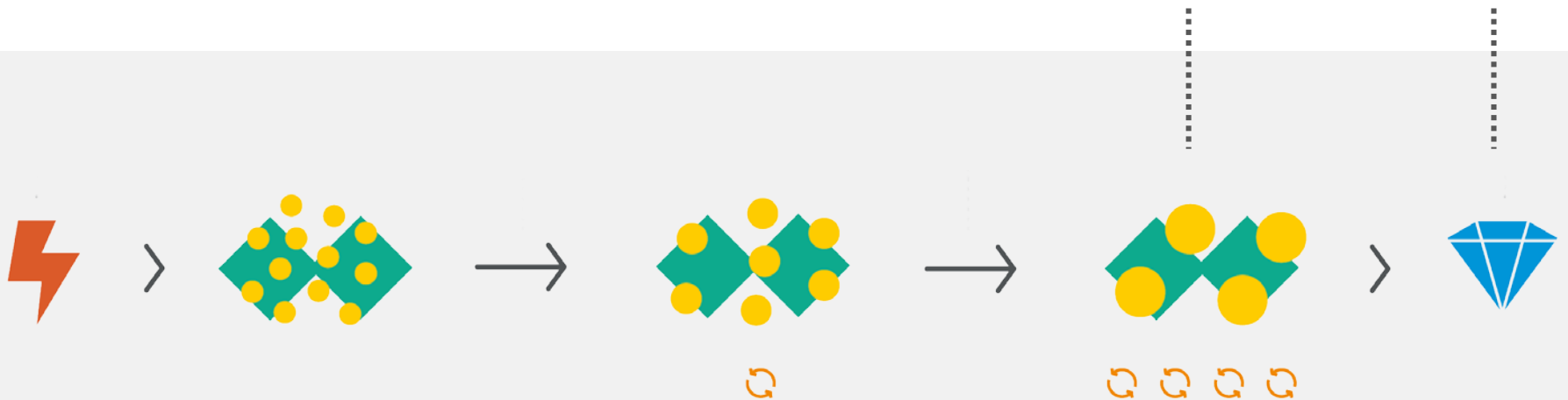
Both **Jury** and **Labmaster** decide in **Decision Gates**
Which ideas offer the greatest potential for the students?

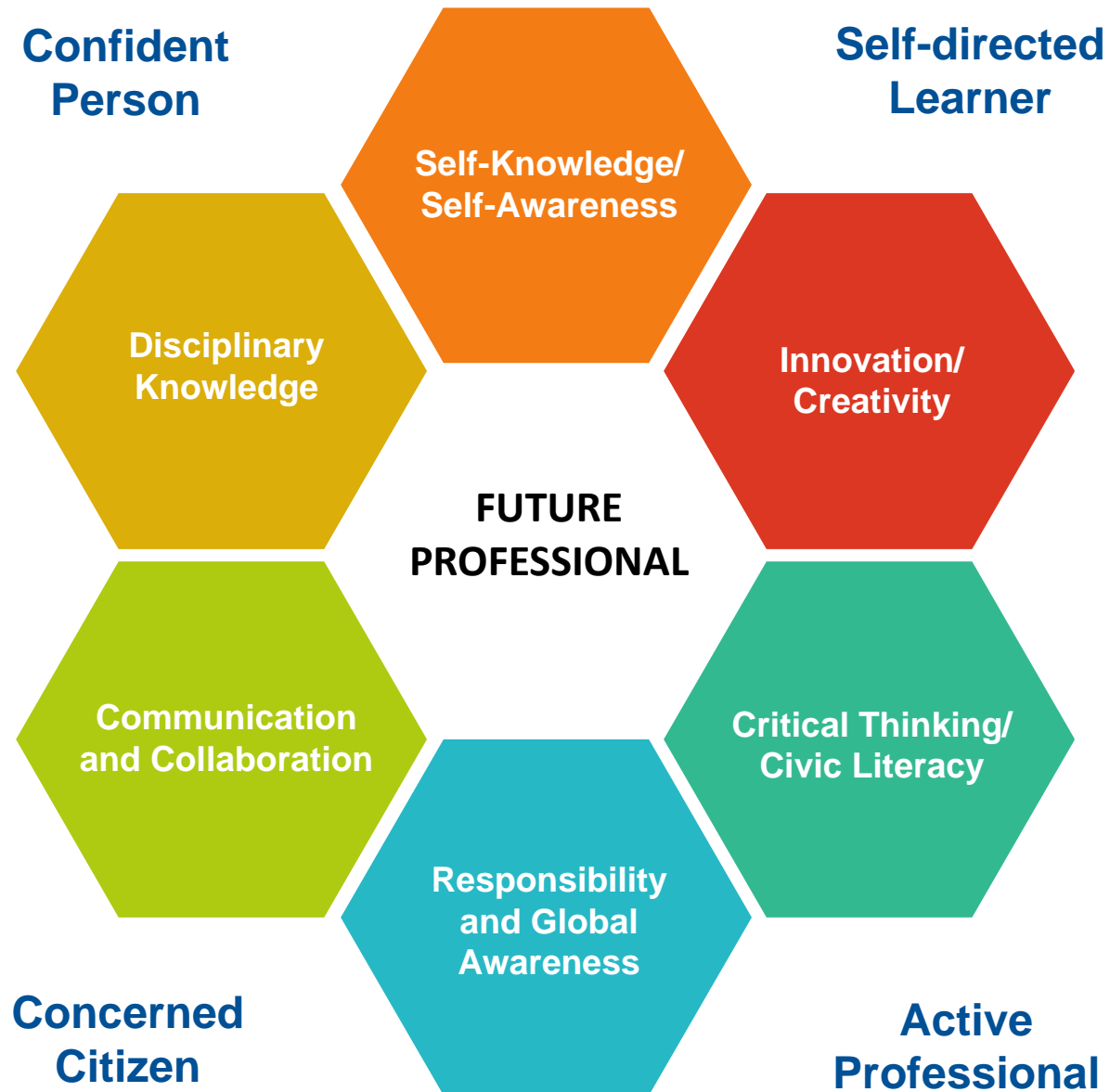


iLab Process

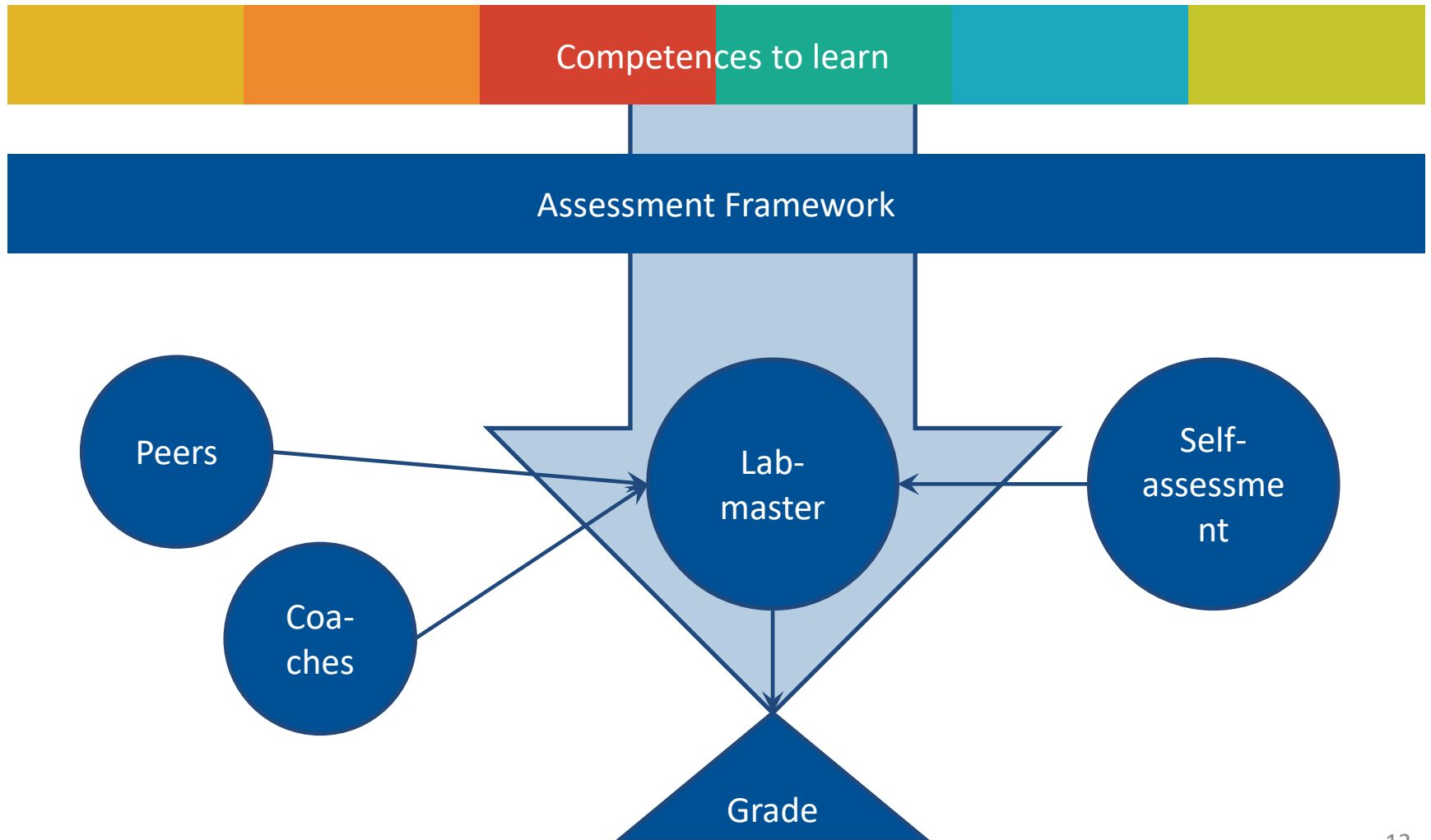
Product development

Solutions are implemented as prototypes.





Assessment



How the grading is done ---

Assessment Talks

- A cooking manual



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ASSESSMENT TALKS



COMPETENCES

Assessment Framework
for Concept and Product
Development.

- Professional skills
- Group work skills
and leadership
- Responsibility and
professional growth



PERSONAL GOALS

Individual goals
are developed
and reached.

- SMART
- Iterative



REFLECTION

Students reflect on their
competences and
personal goals.

- Logbook
- Personal talks



FEEDBACK

Based on the
360° approach.

- Team members
and peers
- LabMasters
- Coaches
- Externals



E-PORTFOLIO

Presentation of an
e-portfolio for
Assessment Talk II.

- Knowledge
- Skills
- Competences
- Attitudes

Teambuilding



- * Key factor in success
- * Continuous work necessary
- * 2 days Outdoor Teamtraining in a remote area
- * Several smaller team activities throughout the term
- * Logbook as a means to get students & teams closer together
- * Helping each other in getting closer to individual personal and professional goals





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For the better understanding of the three levels in iLab:



Project Level



Gates and
Final Presentation



Pregates and
Solution Discussion



Goalsetting



End of Cycle



Team Level



Teambuilding



Team Feedback



Personal Level



Weekly Logbook



Personal Goalsetting



Professional Development



Assessment Portfolio



Presentation Portfolio



2019



www.oamk.fi/labblender

iLab (Interdisciplinary Lab)

- https://drive.google.com/file/d/1LD_5yilTTA_xwCDYj-SVoNdoRz_OZzJB/view
- Follow hashtag #iLab on twitter for the last two seasons of iLab

