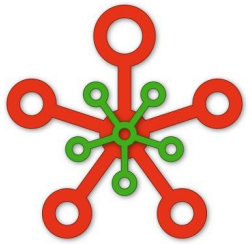
UNIVERSITY LABS AS CARRIERS OF INDUSTRIAL REVIVAL IN DEVELOPING COUNTRIES: A SOFTWARE ENGINEERING CASE



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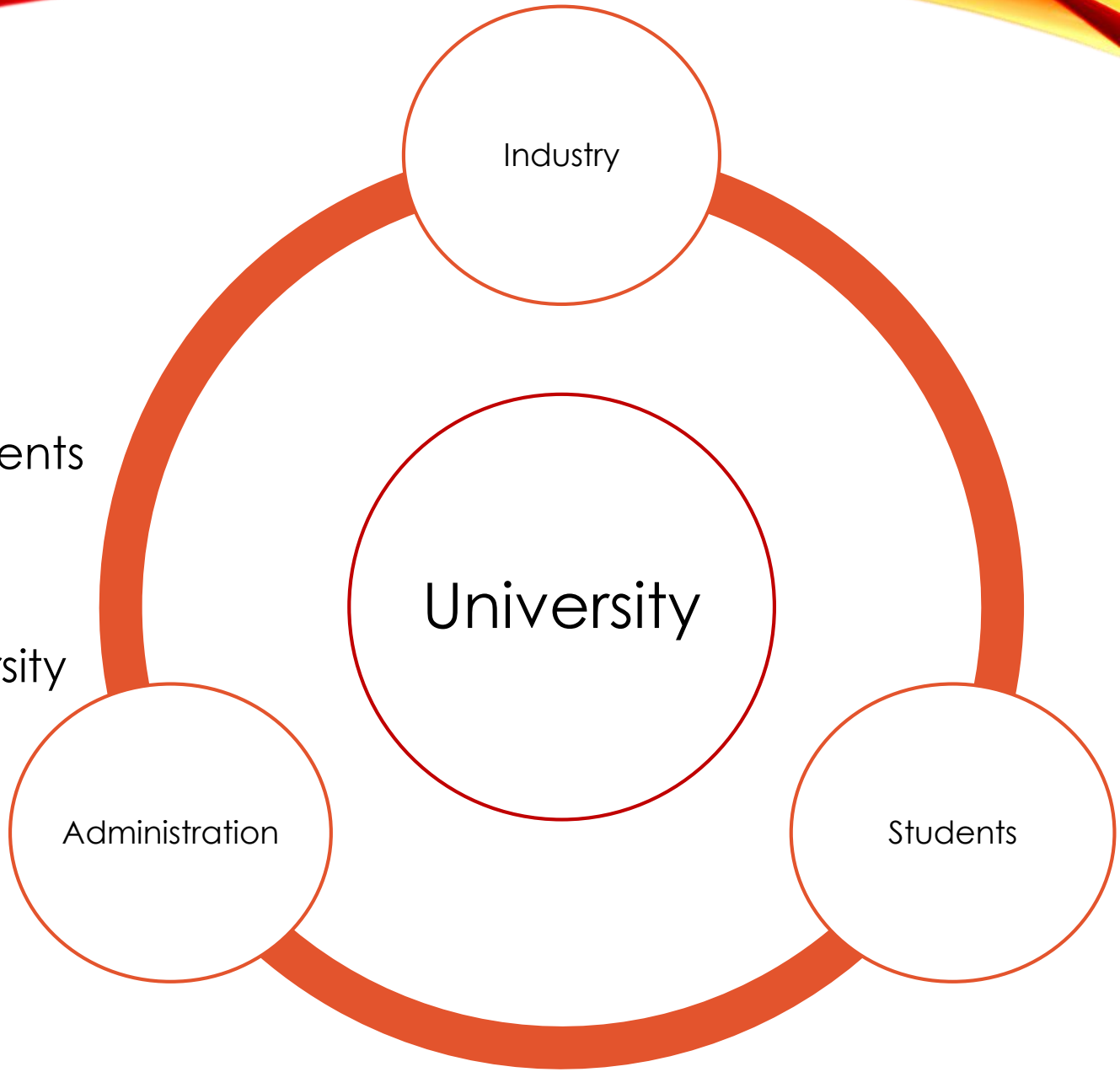
LISTED PROBLEMS

- Structure of enrolled students
- Number of enrolled vs. graduated students
- Structure of employees in companies
- Demands of industry
- Influence of industry on students/university
- Expectations of students
- Constraints by administrations
- …

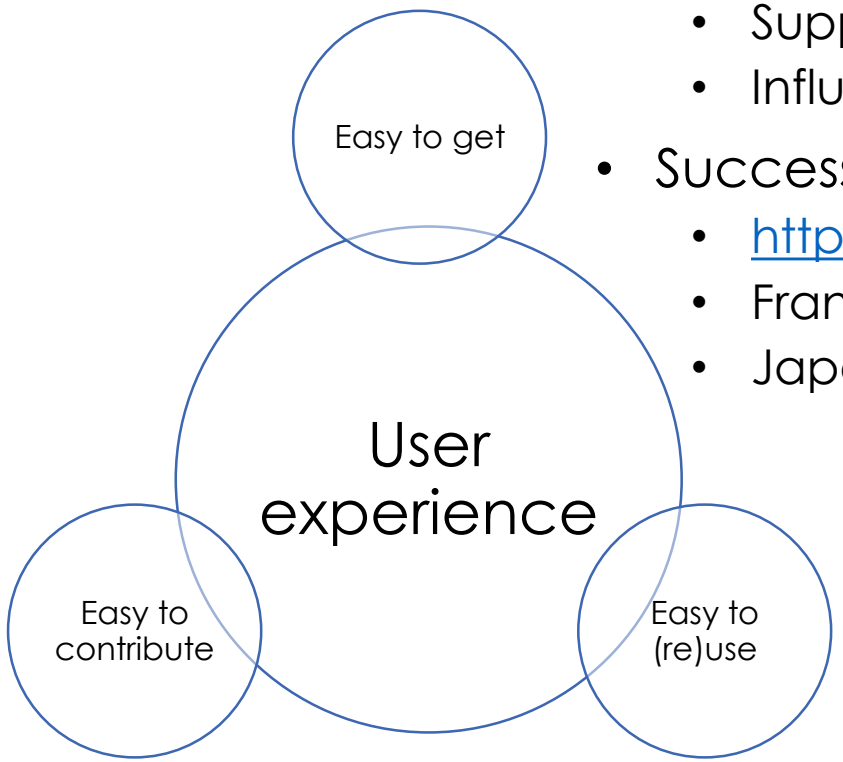


ELTE

- Open source project
- Build the community
- Be influential

PHARO CONSORTIUM

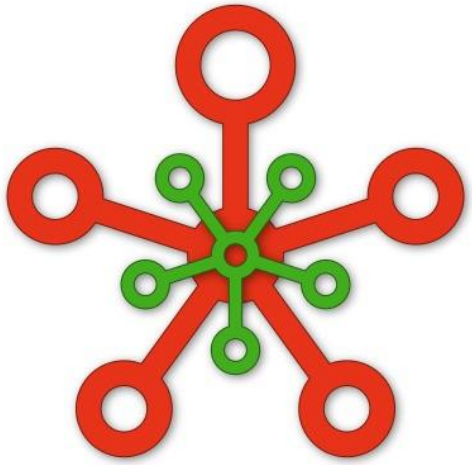
- Open source project
- Open access to all materials
- Problem ←→ Solution based collaboration
  - Promotes usage of Pharo
  - Supports development of Pharo
  - Influences directions of Pharo development
- Success stories
  - http://pharo.org/success
  - France, Switzerland, Czech, Germany,…
  - Japan, Argentina, Chile,…

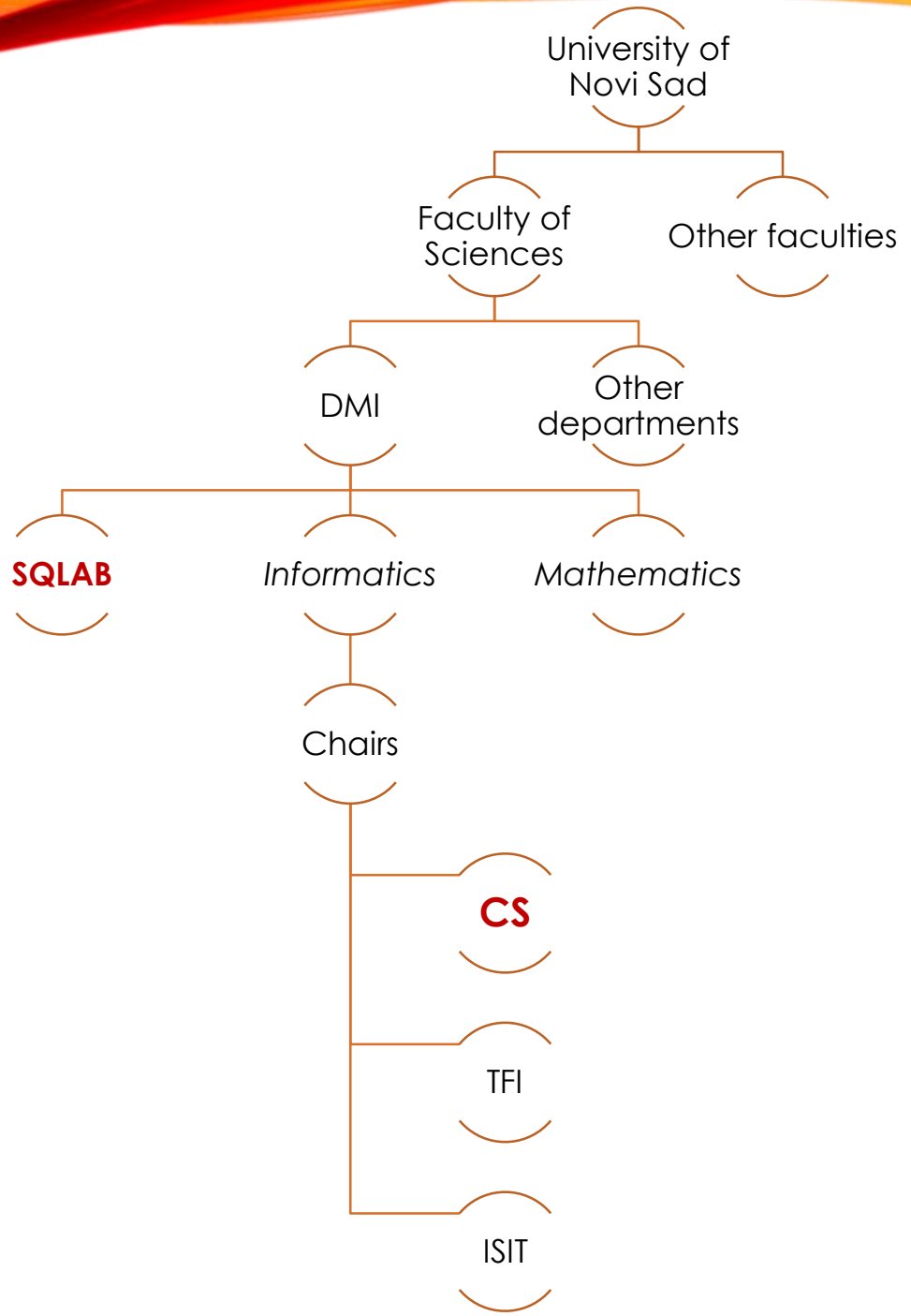


RMod

INVENTEURS DU MONDE NUMÉRIQUE

SQLAB @DMI

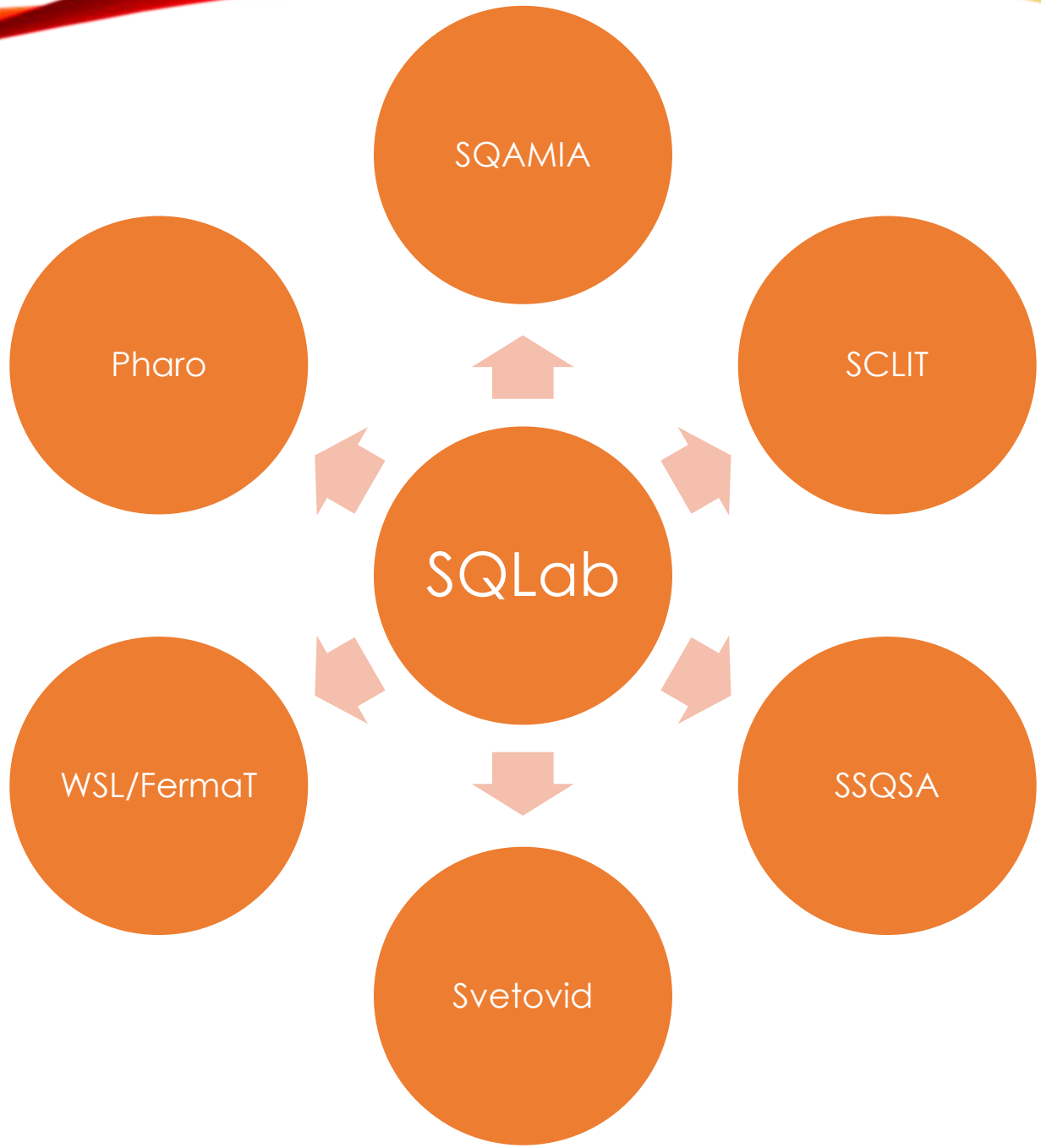



University of Novi Sad
Faculty of Sciences
Other faculties
DMI
Other departments
SQLAB
Informatics
Mathematics
Chairs
CS
TFI
ISIT

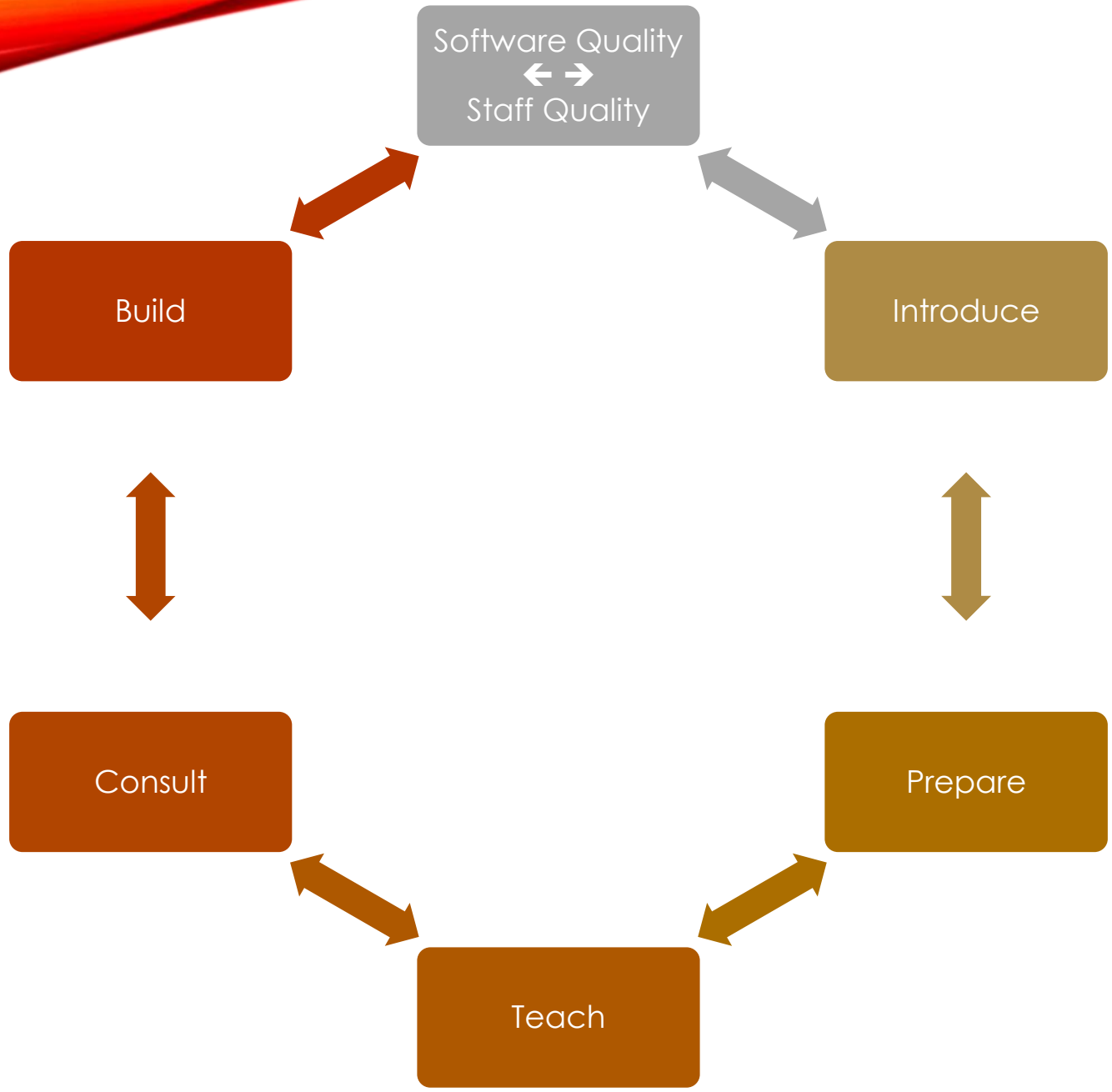
MEMBERS

SQLab
Software Quality Lab
Doni Pracner, MSc
Mr Ivan Pribela
Dr Zoran Budimac
Nataša Sukur, MSc
Tijana Vislavski, MSc
Dr Gordana Rakić

ACADEMIC ACTIVITIES

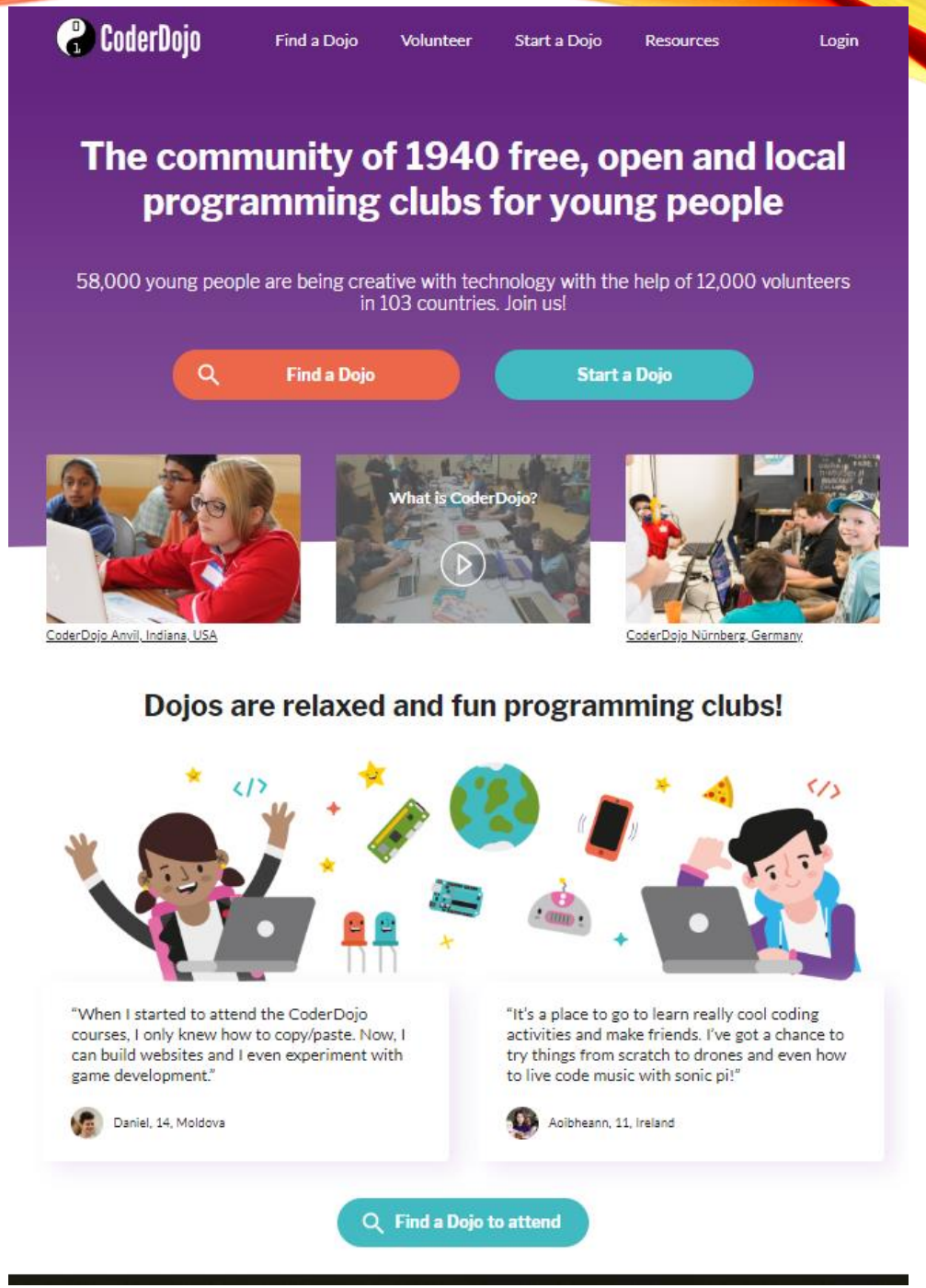


MISSION


Software Quality
Staff Quality
Introduce
Prepare
Teach
Consult
Build

INTRODUCE & PREPARE

- Attract children to play with programming
- Find talents, make them recognize it
- Prepare future students
- …
- Become a club for “undiscovered” talents



Erasmus+ CoderDojo

Teach according to good practice

Teach according to needs of industry

???

TEACH ←→ CONSULT

- Teach principles
- Apply principles on real problems

- Teach in companies
- Discover their problems
- Offer a solution

→BUILD IT

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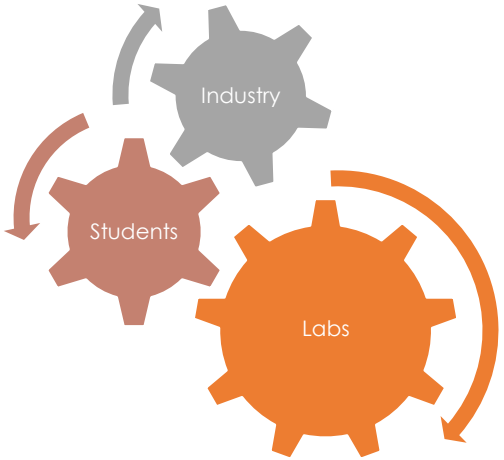
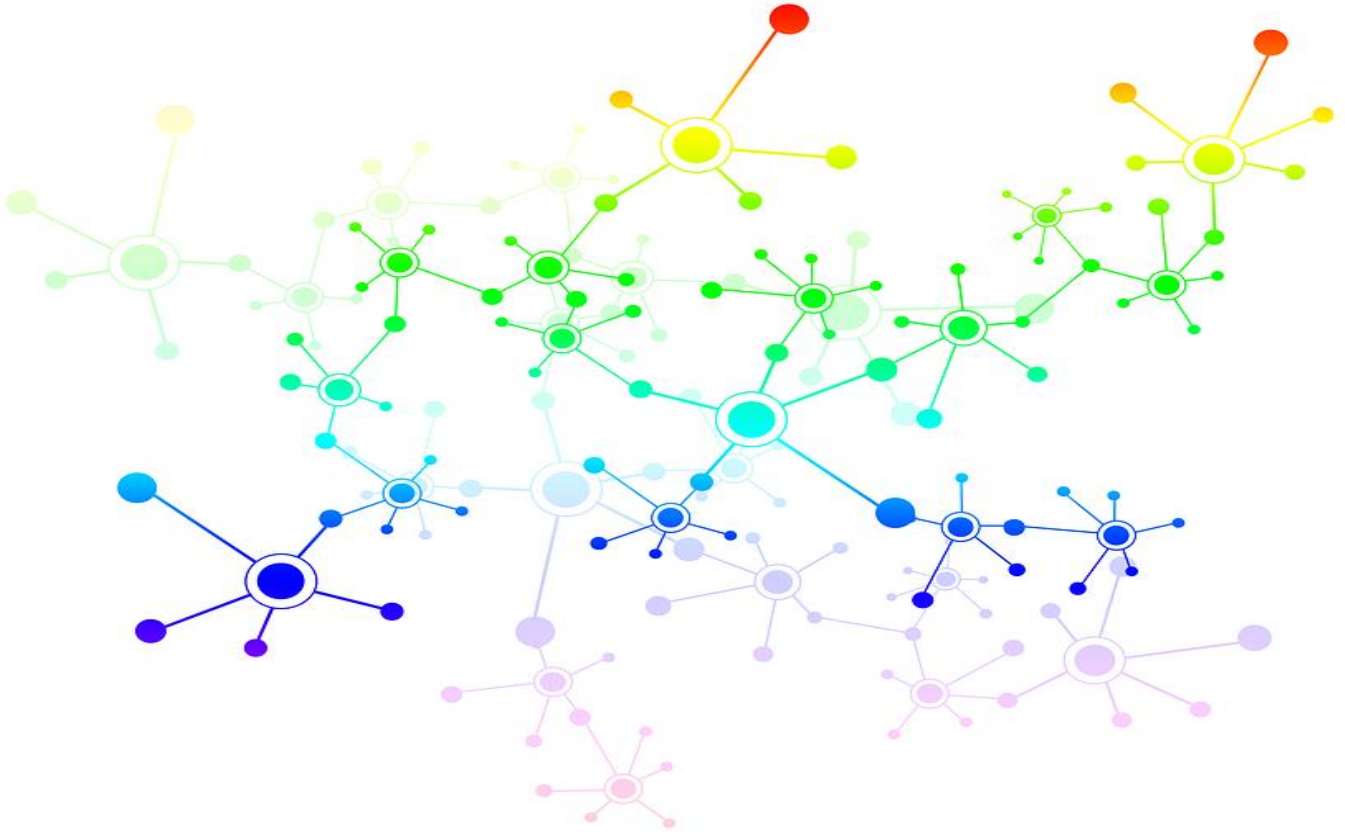
COOPERATION AT ACADEMIC INFORMATICS EDUCATION ACROSS BALKAN COUNTRIES AND BEYOND

- Reuse the model
  - ELTE, Pharo, …
- Adapt the model to the local needs
- Create the network of labs
- Apply!!! (H2020, COST,…)

- Reuse existing materials/products
- Refresh, adapt,…
- Open it???
  - For access, for contributions,…

INCLUDE THE INDUSTRY
&
INVOLVE YOUNG POPULATION



THANK YOU