



HEINNOVATE

A GUIDING FRAMEWORK FOR THE ENTREPRENEURIAL & INNOVATIVE HIGHER EDUCATION INSTITUTION

Seminar: MODERNISATION OF THE TRAINING PROGRAMMES AND
THE STUDY CONTENT IN THE BULGARIAN HIGHER SCHOOLS
Ruse, Bulgaria, 2-3 November 2017

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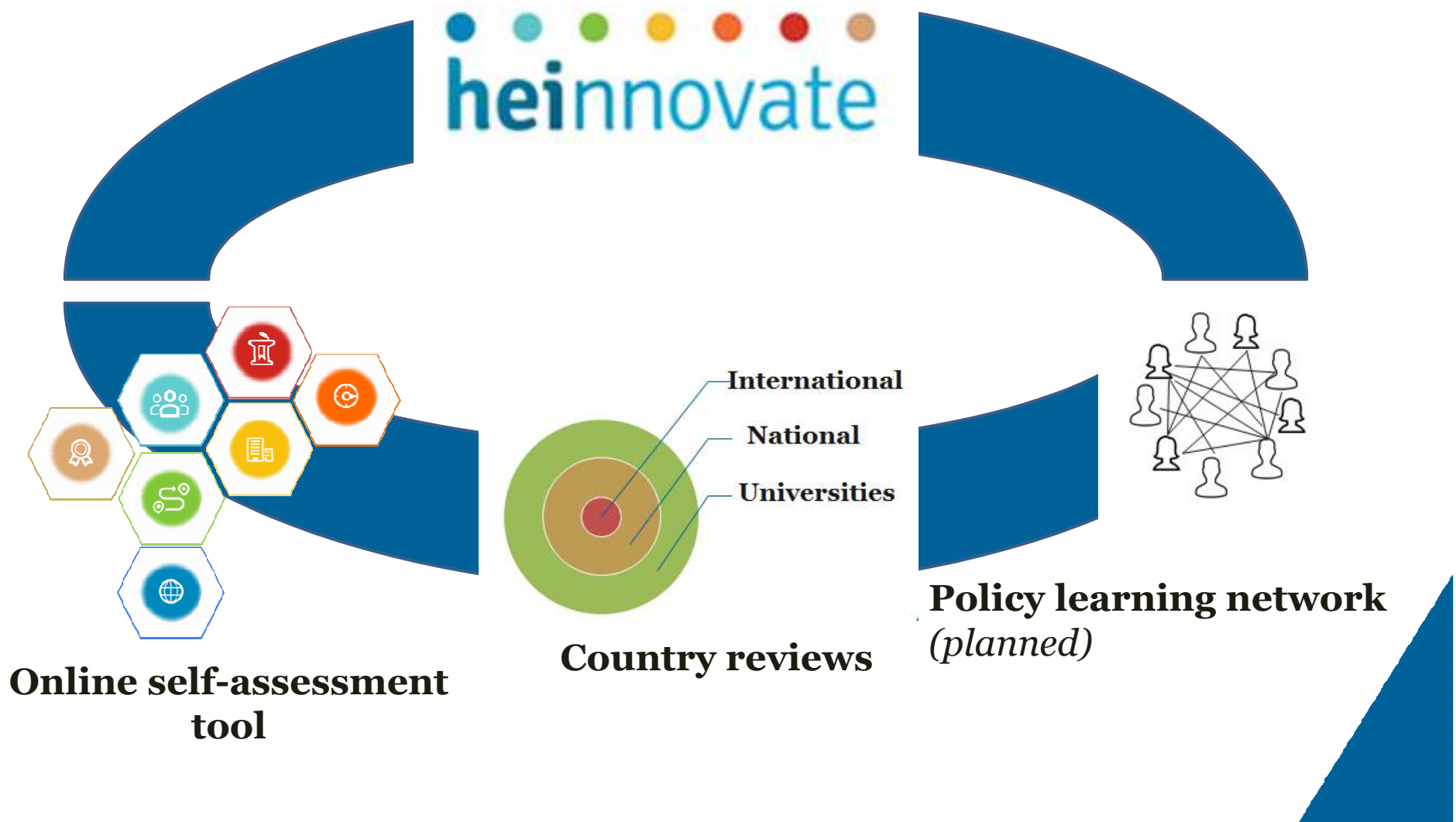


WHAT IS HEINNOVATE?





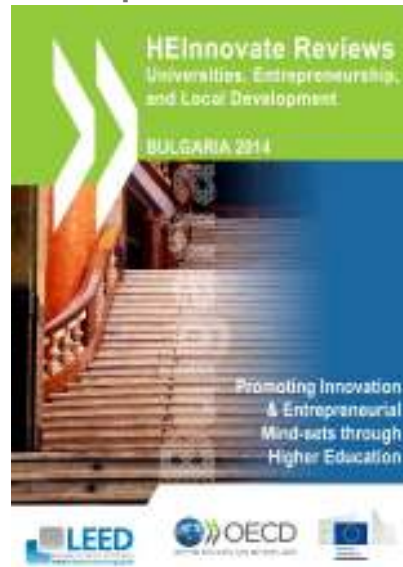
HEInnovate – A Guiding Framework



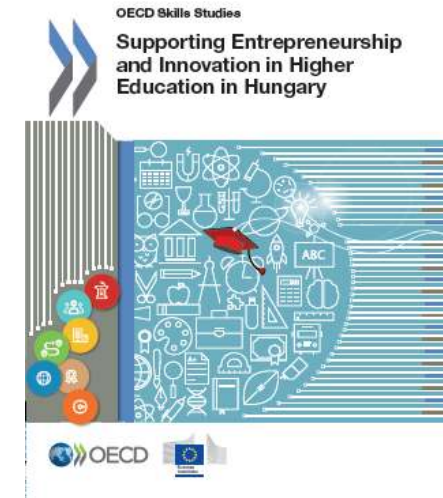
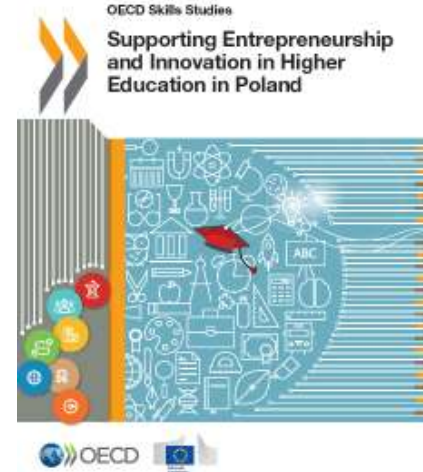
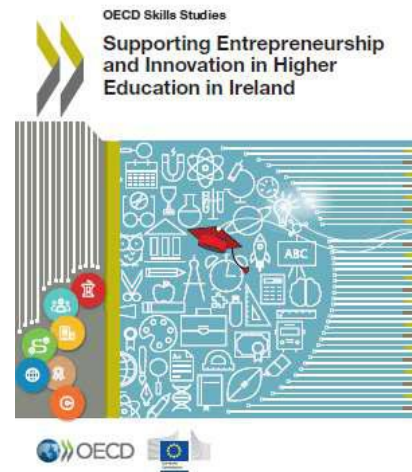


HEInnovate country reviews – reports

2014



2017



Forthcoming:

OECD/EU (2018), Supporting Entrepreneurship and Innovation in Higher Education in the Netherlands

Planned:

OECD/EU (2018), Supporting Entrepreneurship and Innovation in Higher Education in Bulgaria (update of 2014 report)





Review report update: What inputs do we need from Bulgaria?

1. Information about:
 - Current relevance of 2014 **review findings**
 - Implementation of 2014 **review recommendations**
 - **Good practices** on related to HEInnovate dimensions
2. **User stories** for the HEInnovate Tool
3. Participation in **HEI Leader Survey**

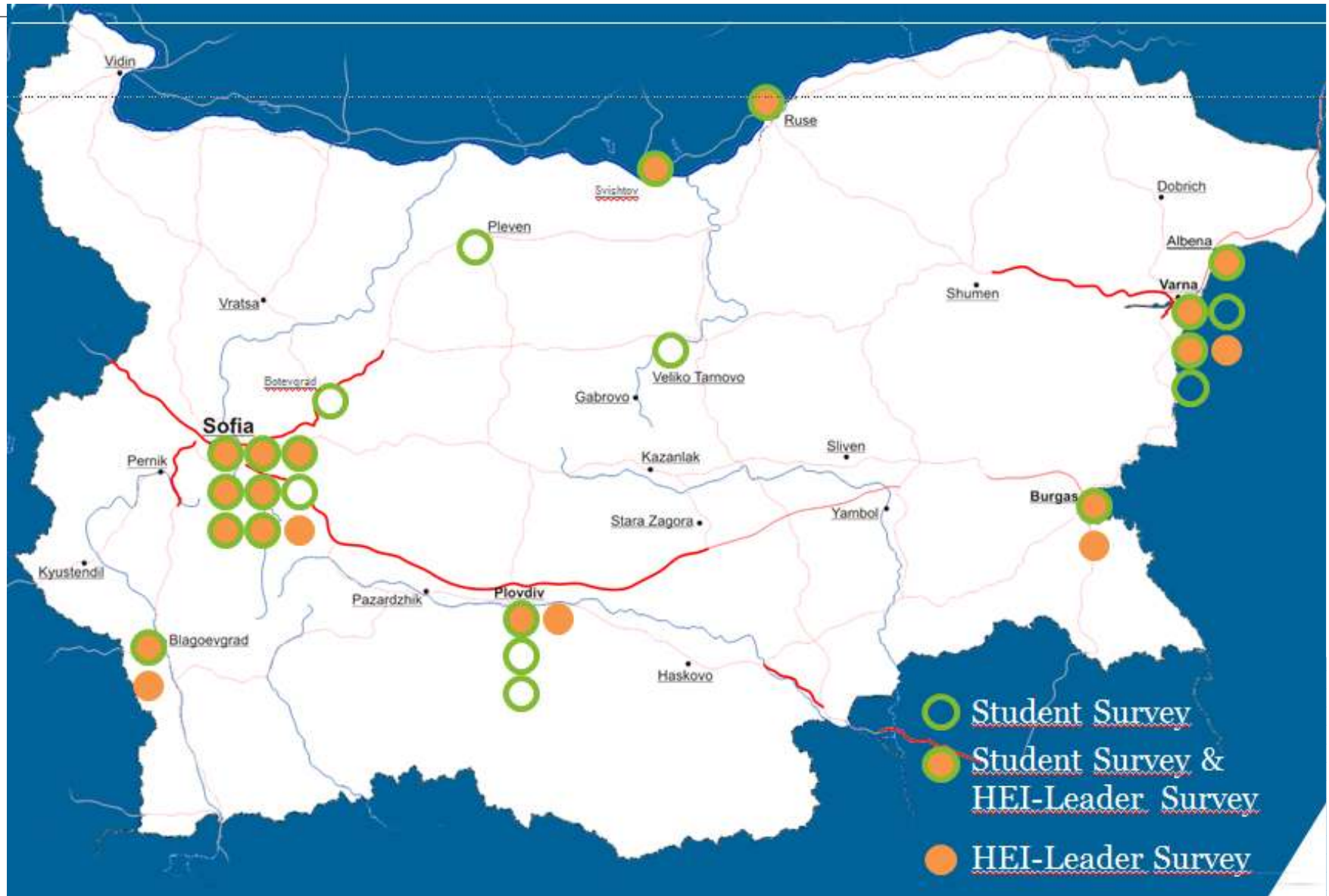


HEI Leader Survey

- **What:** Observatory of current and planned practice in supporting entrepreneurship and innovation in higher education institutions
- **Who:** HEIs in 10 EU Member States
- **When:** End 2017 - Spring 2018



Bulgaria 2014: HEI Leader Survey & Student Survey





HEINNOVATE COUNTRY REVIEW BULGARIA (2014-2015)



HEInnovate country review Bulgaria

- **Collaboration** between OECD, EC and Ministry of Education and Science (*ongoing*)
- May 2014: **Study visits** to University of Economics in Varna, University of Forestry in Sofia, University of Mining and Geology "St. Ivan Rilski" in Sofia, University "Angel Kunchev" in Ruse, and Technical University of Sofia
- May-Sep 2014: **HEI-Leader Survey** (20 HEIs, 14 public and 6 private), **Student survey** (367 students from 23 HEIs)
- September 2014: **Dissemination** conference



Findings

(HEInnovate country review 2014)

1. No clearly defined role for HEIs in entrepreneurship and innovation support; marginal involvement in smart specialisation (RIS3)
2. Narrow understanding of the “entrepreneurial & innovative HEI”
3. “Separation” of teaching and research; knowledge exchange is not part of HEIs core-strategy
4. Difficulties in the organisation of internships
5. Systemic barriers in HEI-HEI collaboration, HEI-business collaboration, internationalisation
6. Barriers in up-scaling entrepreneurship support in HEIs
7. Missing links to entrepreneurship ecosystems



Recommendations for public policy (HEInnovate country review 2014)

1. Establish an inter-ministerial HEInnovate committee to (i) promote the concept of the entrepreneurial & innovative HEI, (ii) identify key challenges and opportunities, (iii) propose actions, and (iv) monitor and evaluate pilot projects
2. Create an HEInnovate Fund, using European Structural and Investment Funds (ESIF), to provide co-financing for pilot projects related to HEInnovate
3. Develop an easy-access system of fundamental business support for academic entrepreneurs



Recommendations for HEIs (HEInnovate country review 2014)



1. Review and reformulate HEI-strategy documents in light of current challenges and possible responses with regard to HEInnovate
2. Establish a senior management post (e.g., vice-rector) in charge of entrepreneurship and innovation support
3. Provide training possibilities for staff and reward excellent performance (teaching, organisation of internships, research and knowledge exchange, internationalisation)
4. Further invest in co-ordination mechanisms for entrepreneurship support; greater involvement of students



Recommendations for HEIs (HEInnovate country review 2014)



5. Incentivise strategic involvement of key external stakeholders
6. Build strategic bonds with alumni
7. Expand existing good practices in novel pedagogies
8. Promote entrepreneurship education as cross-section faculty portfolio
9. Increase the institutional embedding of knowledge exchange activities
10. Make internships an entitlement for students and provide support



KEY COMMON FINDINGS
1ST ROUND
HEINNOVATE COUNTRY
REVIEWS

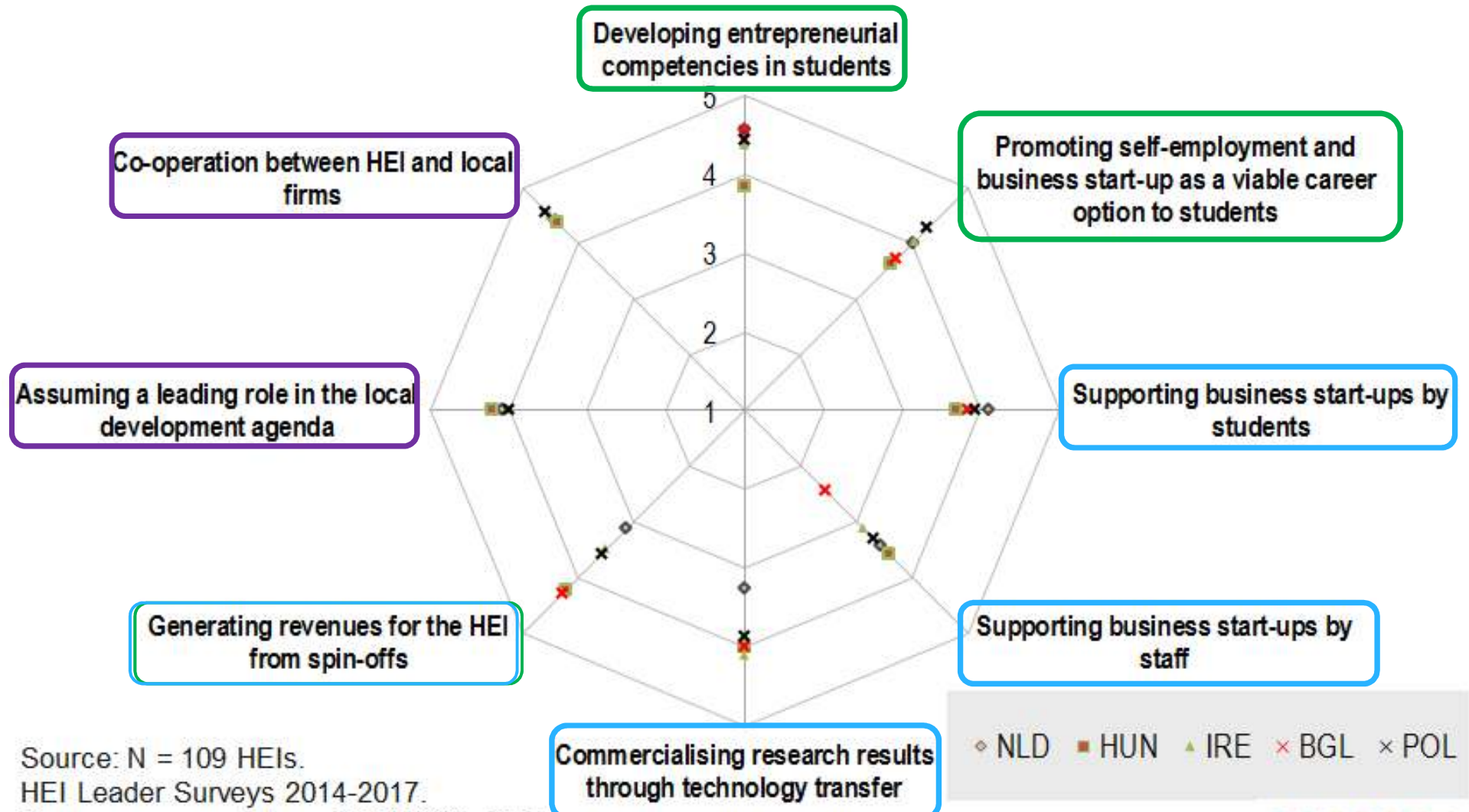


Findings that suggest public policy and/or joint action

- Effective policy frameworks emerge from strong long-term collaboration of different policy portfolios
- Combination of human resource development, incentives and support structures is the central lever to mobilise academic staff for greater impact
- Conceptualising & measuring impact needs further attention

The “entrepreneurial agenda” of HEIs

5-point Likert scale:
 1=“Not important at all” ...
 5=“Very important”
 5% trimmed means

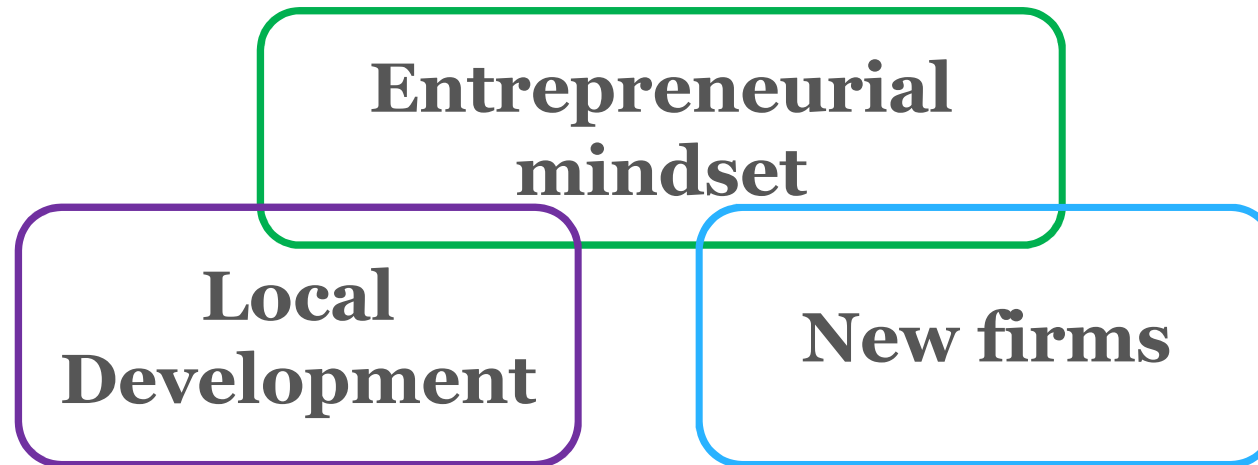


Source: N = 109 HEIs.
 HEI Leader Surveys 2014-2017.
 Survey response rates : NLD(48%), HUN (60%), IRE (86%), BGL (48%), POL (6%)

◇ NLD ■ HUN ▲ IRE × BGL × POL



The entrepreneurial agenda of HEIs





Findings that suggest HEI actions

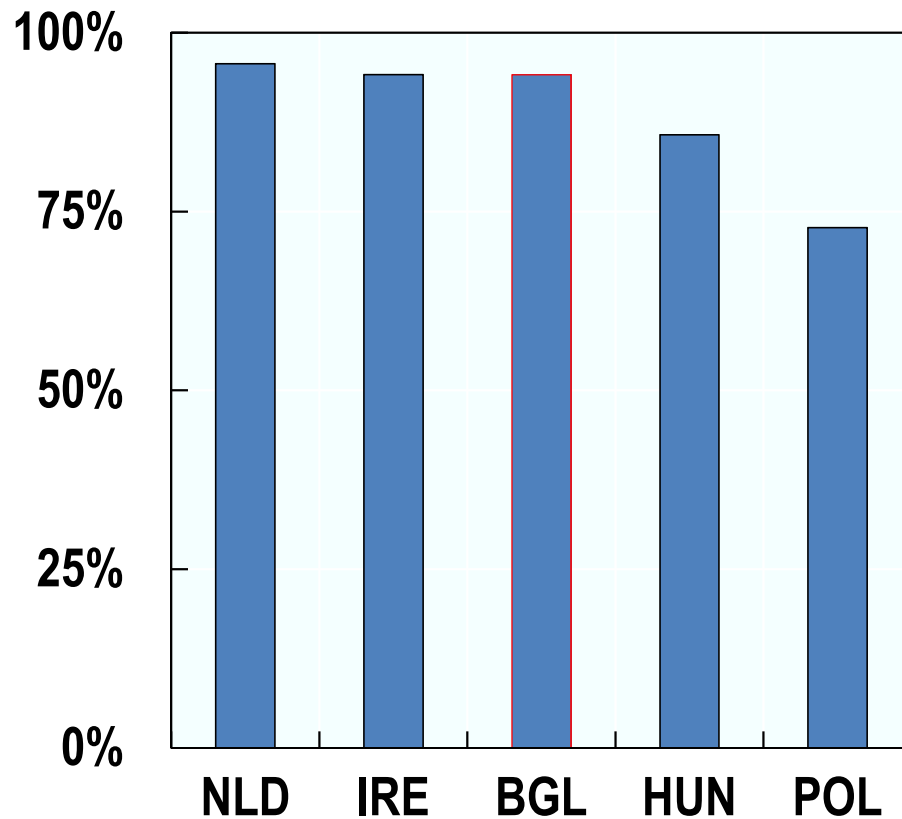
- Interdisciplinary approaches to education and research work far better than silo setups →
- Linking internationalisation activities with the entrepreneurial agenda is crucial for success
- Students need incentives and support to engage with entrepreneurship, acknowledgement of competencies (e.g. diploma supplement) →
- Entrepreneurial HEIs are **strongly linked** to other organisations



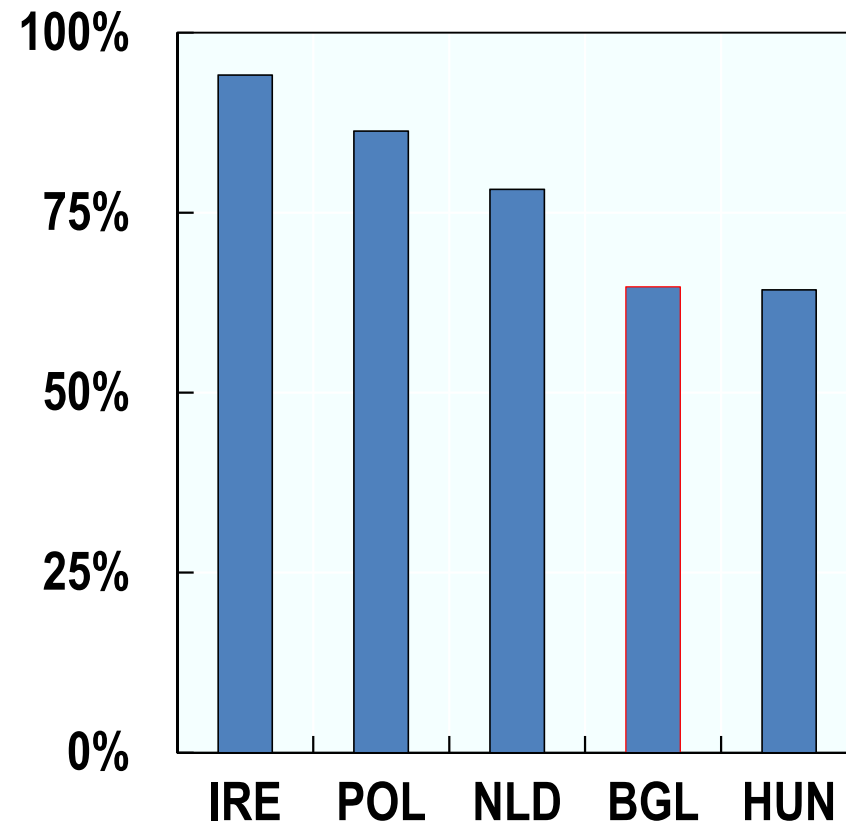
Study programme integration and cross-campus reach of entrepreneurship education (EE) activities



EE activities integrated in study programmes



EE activities outside economics faculty / business school

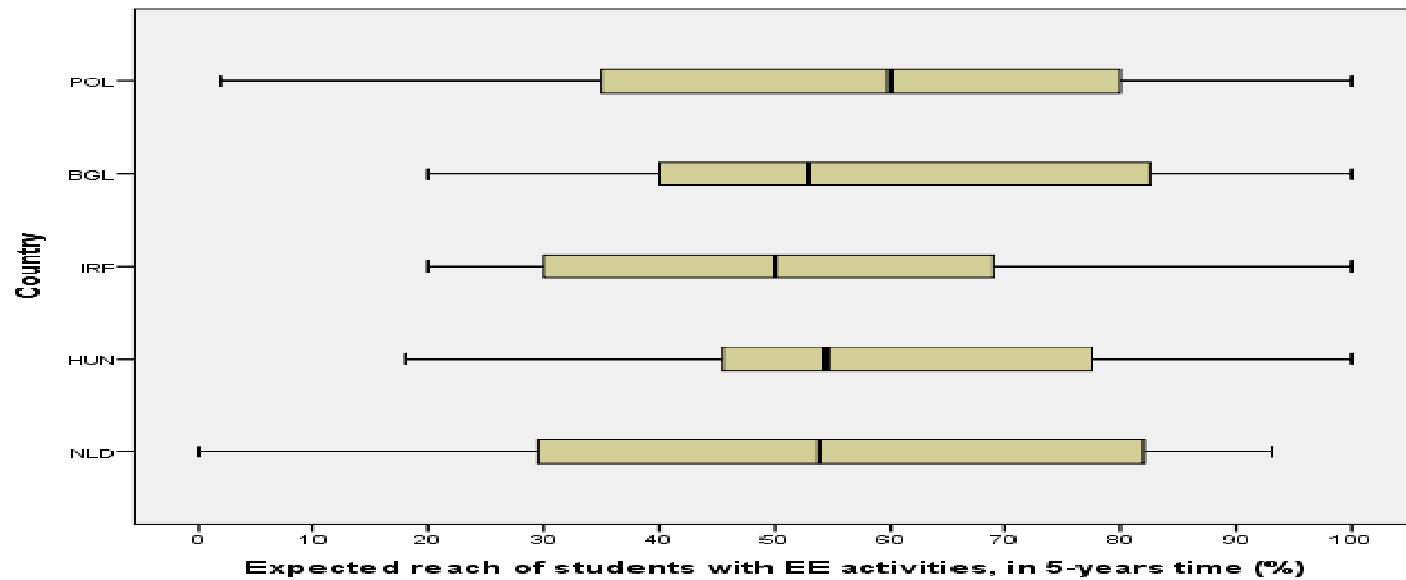
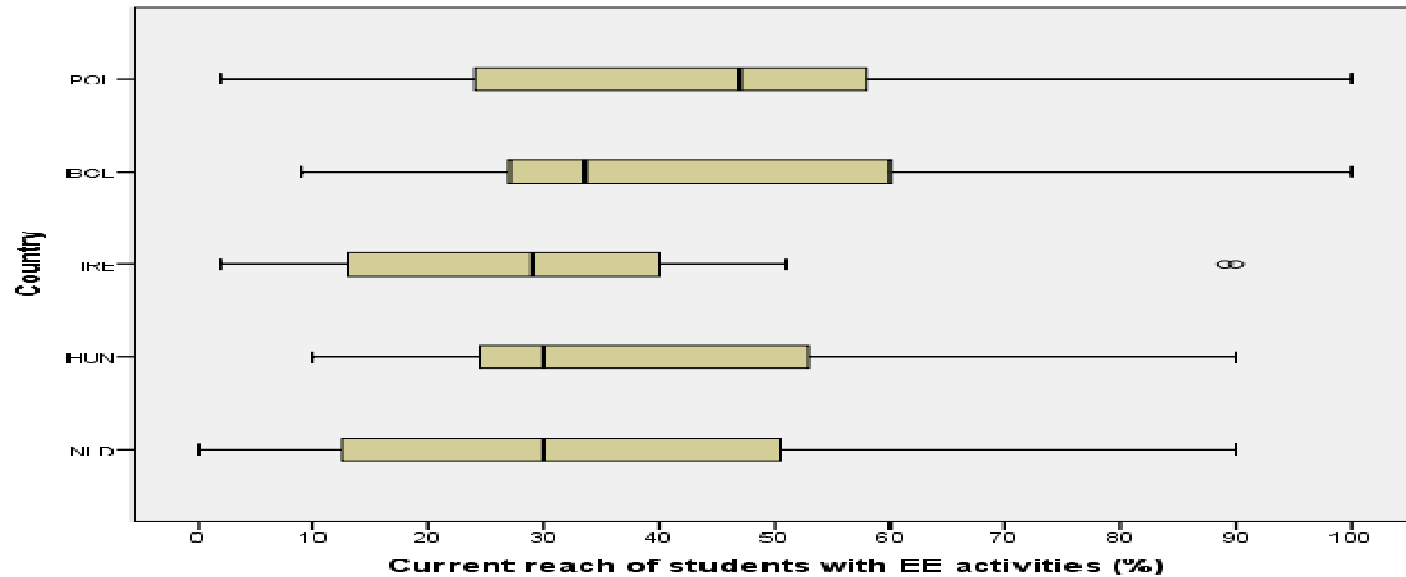


Source: N = 109 HEIs. HEI Leader Surveys 2014-2017.

Survey response rates : NLD(48%), HUN (60%), IRE (86%), BGL (48%), POL (6%)



Current and expected student reach of EE activities

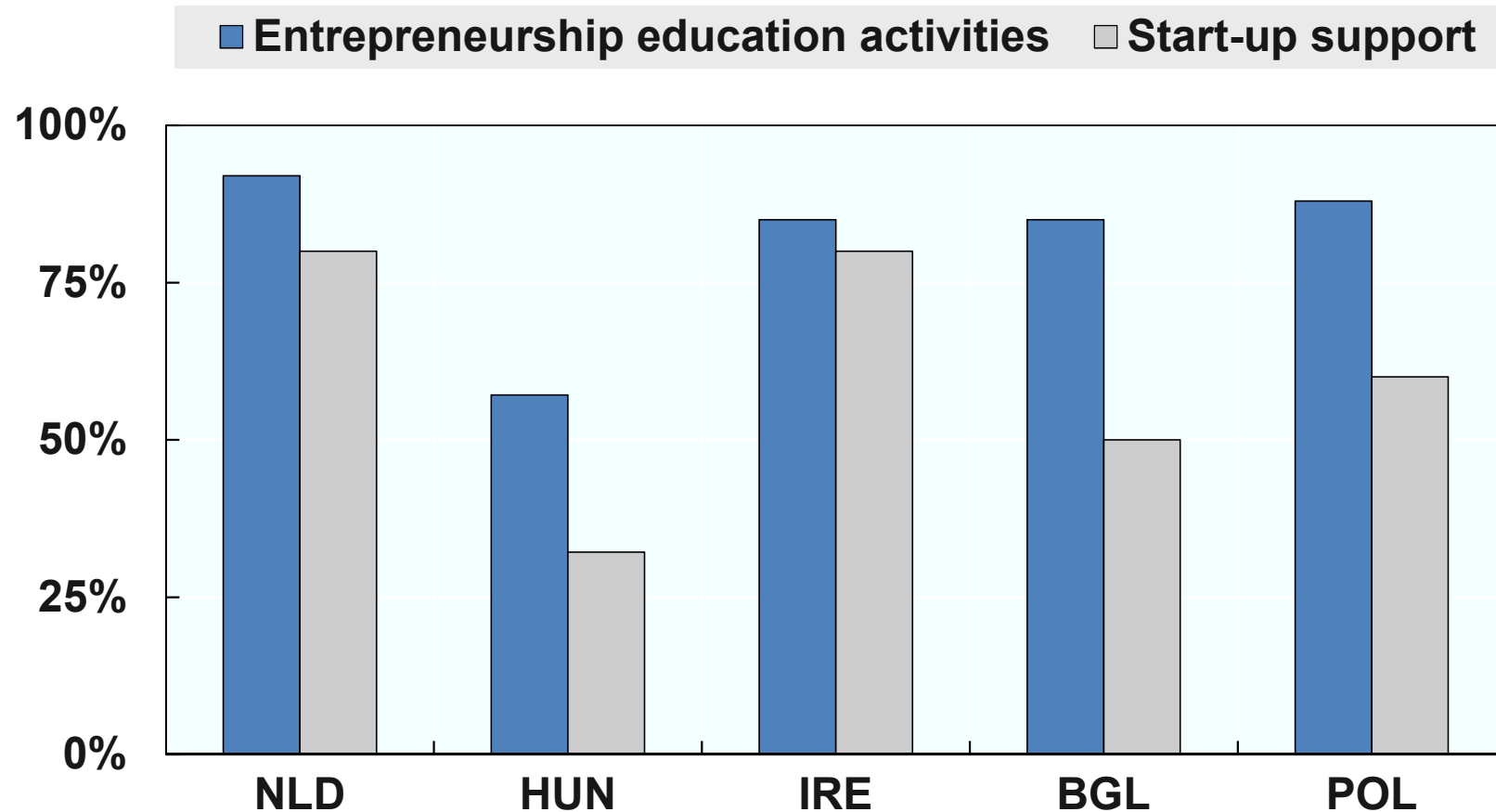


Source: N = 109 HEIs.

HEI Leader Surveys 2014-2017. Survey response rates : NLD(48%), HUN (60%), IRE (86%), BGL (48%), POL (6



Entrepreneurship support offer provided shows a greater focus on EE activities



Source: N = 109 HEIs. HEI Leader Surveys 2014-2017.

Survey response rates : NLD(48%), HUN (60%), IRE (86%), BGL (48%), POL (6%)



IMPLEMENTING THE ENTREPRENEURIAL AGENDA:

HOW TO ORGANISE STRONG LINKS?





Guiding Framework for the entrepreneurial & innovative entrepreneurial HEI





Online self-assessment tool

- For all HEIs, free, data is accessible **only** for users
- Systematic self-assessment for individual users and **user-groups**
- Diagnoses areas of strengths and weaknesses
- Compares and contrasts evolution over time
- Provides instant access to results and learning materials
- Community of practitioners with 800+ HEIs worldwide, LinkedIn Group



Knowledge Exchange and Collaboration



- 1. The HEI is committed to collaboration and knowledge exchange with industry, the public sector and society.
- **2. The HEI demonstrates active involvement in partnerships and relationships with a wide range of stakeholders.**
- 3. The HEI has strong links with incubators, science parks and other external initiatives.
- 4. The HEI provides opportunities for staff and students to take part in innovative activities with business / the external environment.
- 5. The HEI integrates research, education and industry (wider community) activities to exploit new knowledge.



How to use the statements to assess the HEI?

- Under each statement, there is a sliding bar which moves from n/a to 5 being the highest score

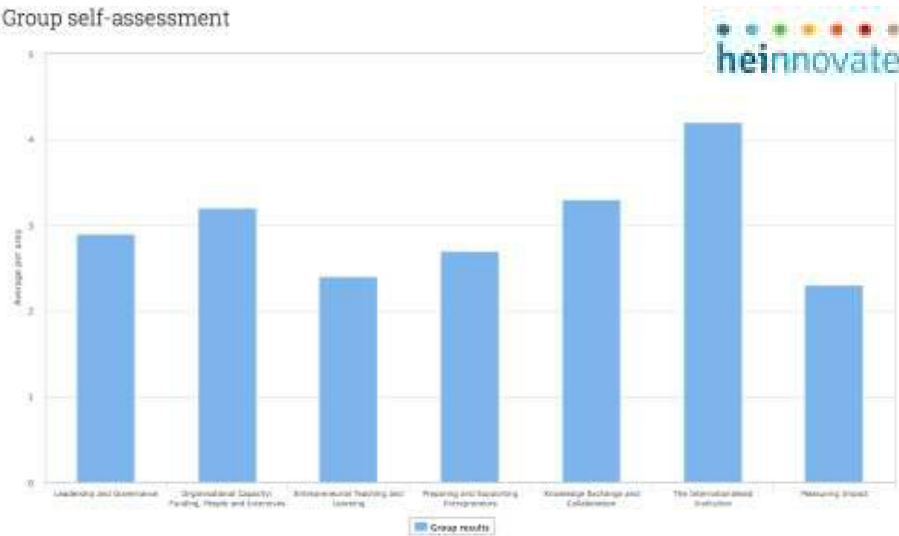


- Users can choose to stay anonymous
- Information provided on “To score highly...”



What happens to the results in a group?

Group self-assessment



The group results are displayed for the group administrator in various downloadable charts

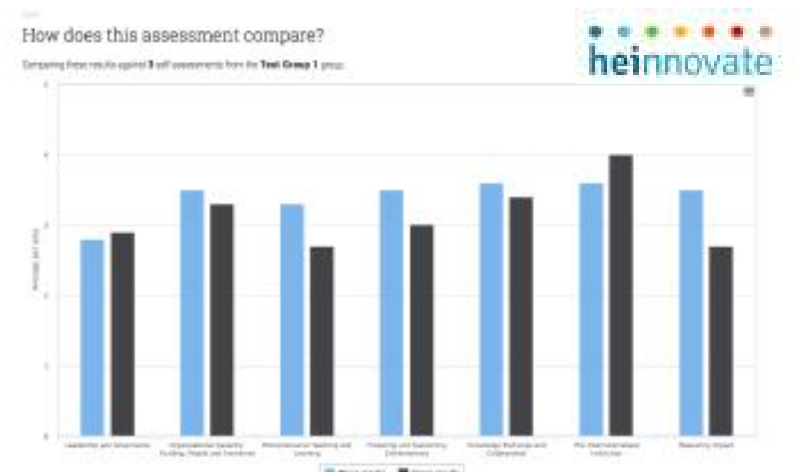
For members of a group, results are compared to group averages

Entrepreneurial Teaching and Learning



How does this assessment compare?

Comparing these results against 3 self-assessments from the Test Group 1 group





We support HEIs in organising the use of the self-assessment tool

- Materials to prepare and conduct workshops are available online
- Expert-facilitated workshops for a group of HEIs, ideally to all HEIs in a country
- Workshops with students (e.g., HEI Hack at Porto Politechnico, <https://heihack.com/>)




Making
Higher
Education
More
Innovative

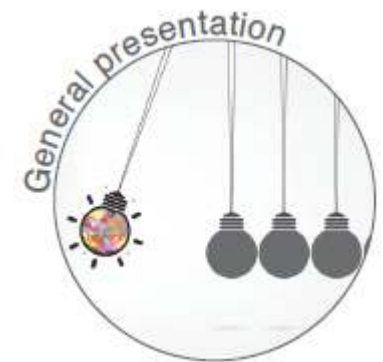


Join the HEInnovate community:

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LinkedIn group 

#heinnovate 



www.heinnovate.eu



Благодаря! Въпроси?

- **HEInnovate country review Bulgaria (2014):**
 - Relevance of findings
 - Implementation of recommendations
- **Review report update:**
 - Good practice examples
 - User stories
 - HEI Leader Survey
- **HEInnovate Tool**

