

How higher education institutions are implementing their transfer of knowledge and technology in the field of Food Science and Technology ?

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**Knowledge and Technology Transfer in the Food Area – Workshop**

16<sup>th</sup> May, 2013 - Kaunas, Lithuania



What are the training and educational needs in transfer of knowledge and technology?

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## A questionnaire to ISEKI\_Food network Institutions:

Nº of answers: **81**

Nº of countries: **32** (*including Brazil, Israel, USA, Canada, South Africa*)

Nº of HEI: **73**

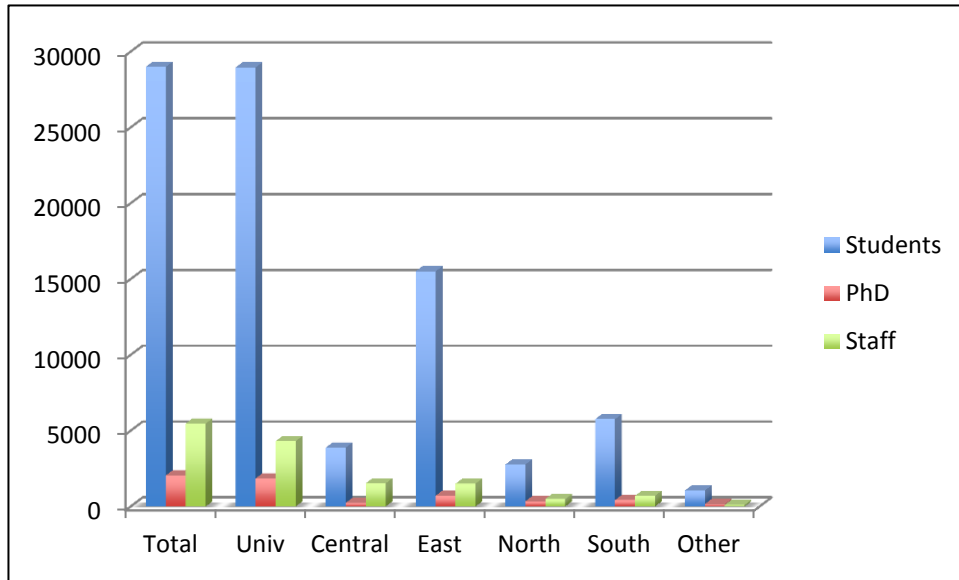
Nº of ASS: 4

Nº of RES: 4

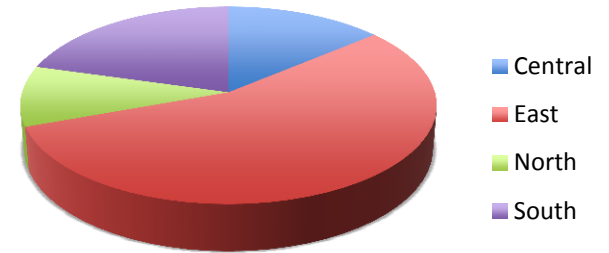
## → REGIONS:

Central		East		North		South		OTHER	
Austria	3	Hungary	2	Belgium	3	Greece	4	Brazil	1
France	4	Lithuania	2	Netherlands	1	Italy	6	Canada	1
Germany	4	Romania	5	Sweden	1	Portugal	7	Israel	1
Slovenia	1	Turkey	4	UK	6	Spain	6	SouthAfrica	1
		Bulgaria	3	Finland	1	Malta	1	USA	1
		CzechRepublic	1	Iceland	1				
		Croatia	1	Ireland	2				
		Latvia	1	Norway	1				
		Poland	2						
		Slovakia	3						
<b>Total</b>	<b>12</b>		<b>24</b>		<b>16</b>		<b>24</b>		<b>5</b>

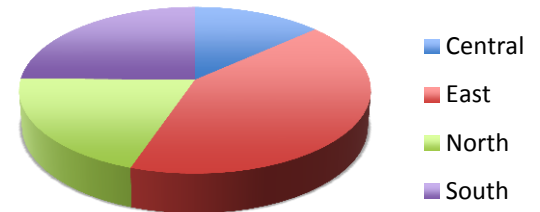
# → Nº of Students and Staff:



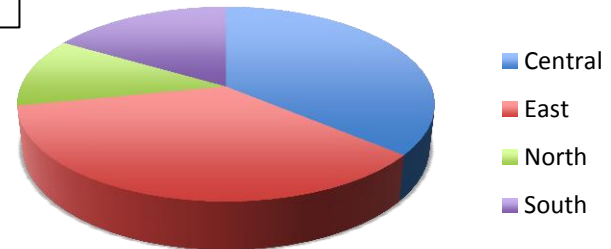
## Students



## PhD students



## Staff



**TRAINING AND EDUCATIONAL NEEDS FOR TRANSFER OF**  
**KNOWLEDGE AND TECHNOLOGY IN THE FIELD OF FOOD**

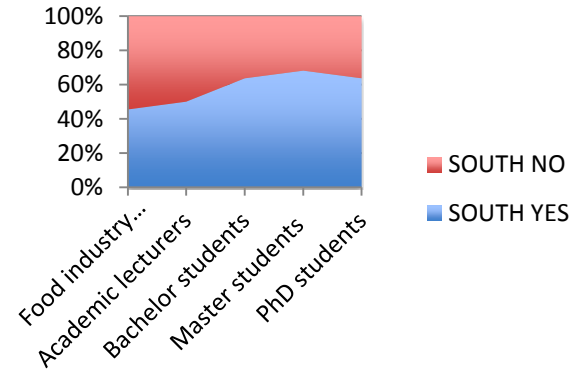
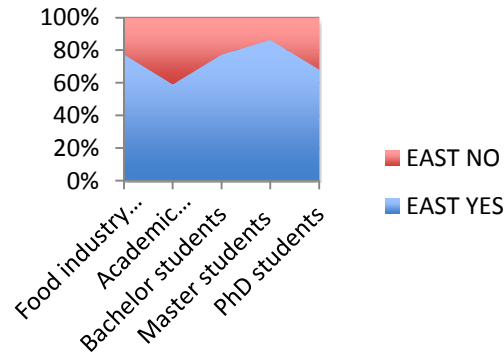
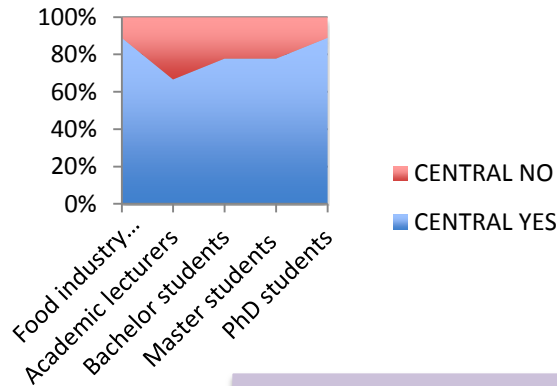
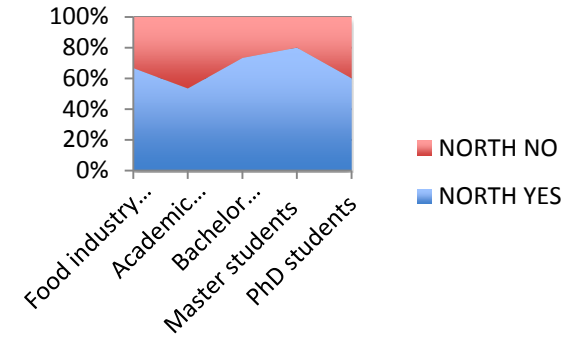
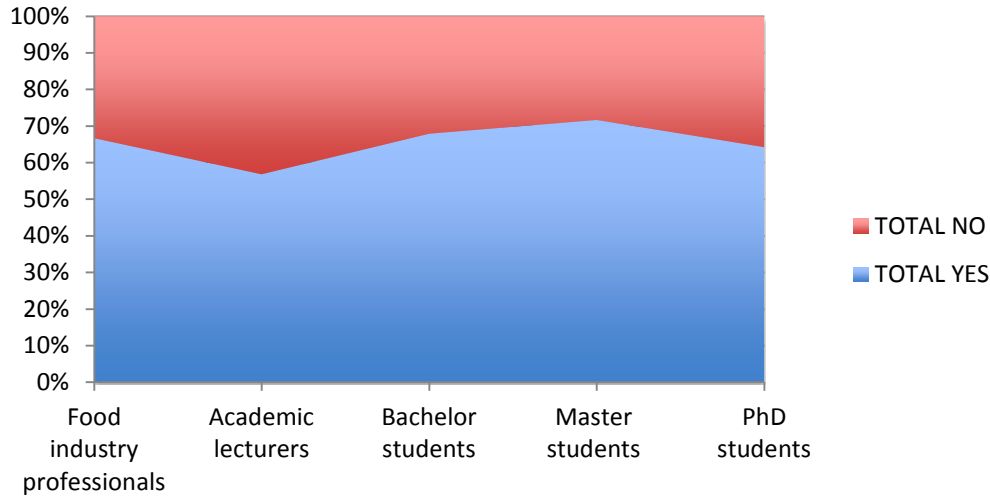


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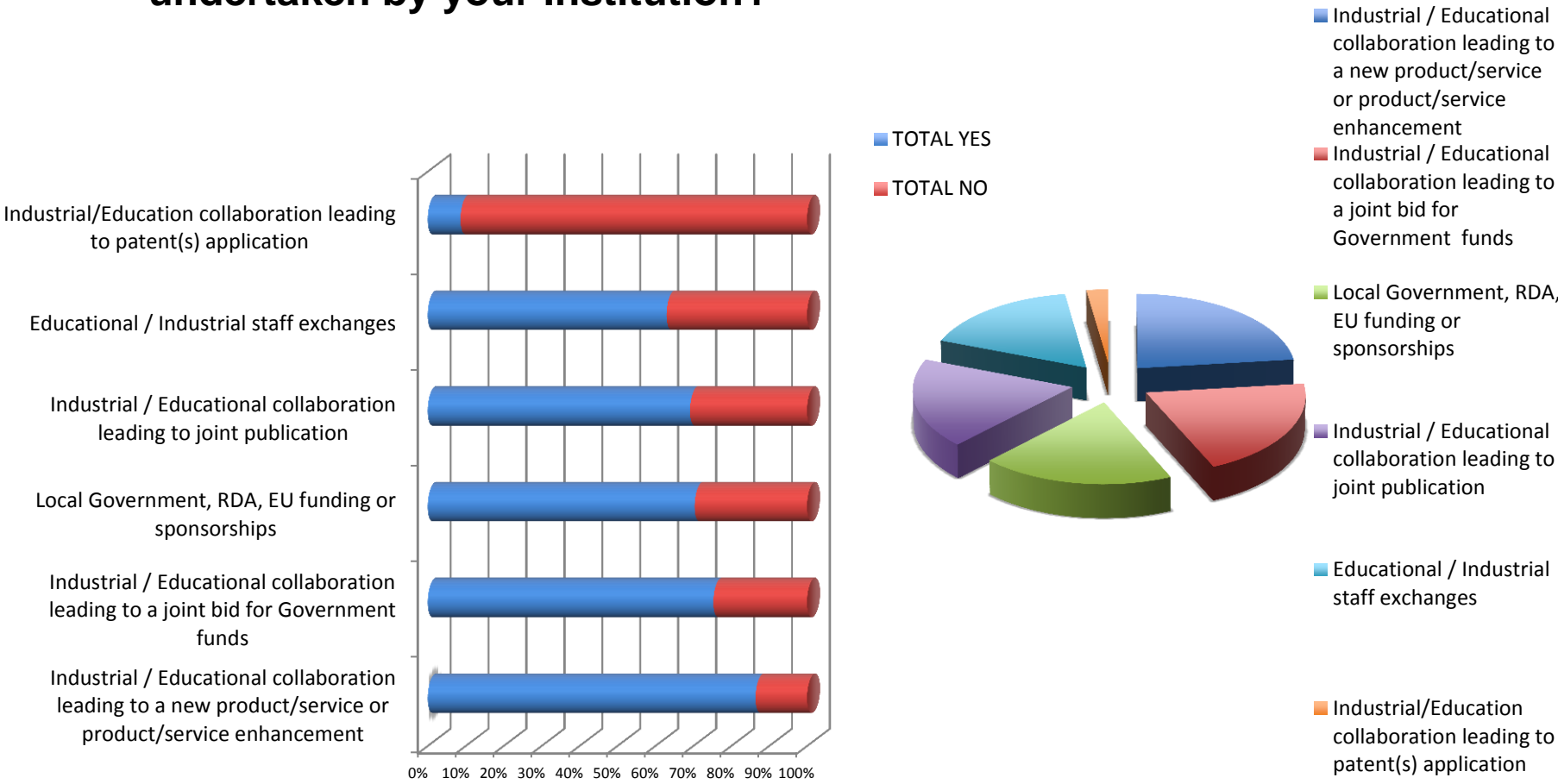
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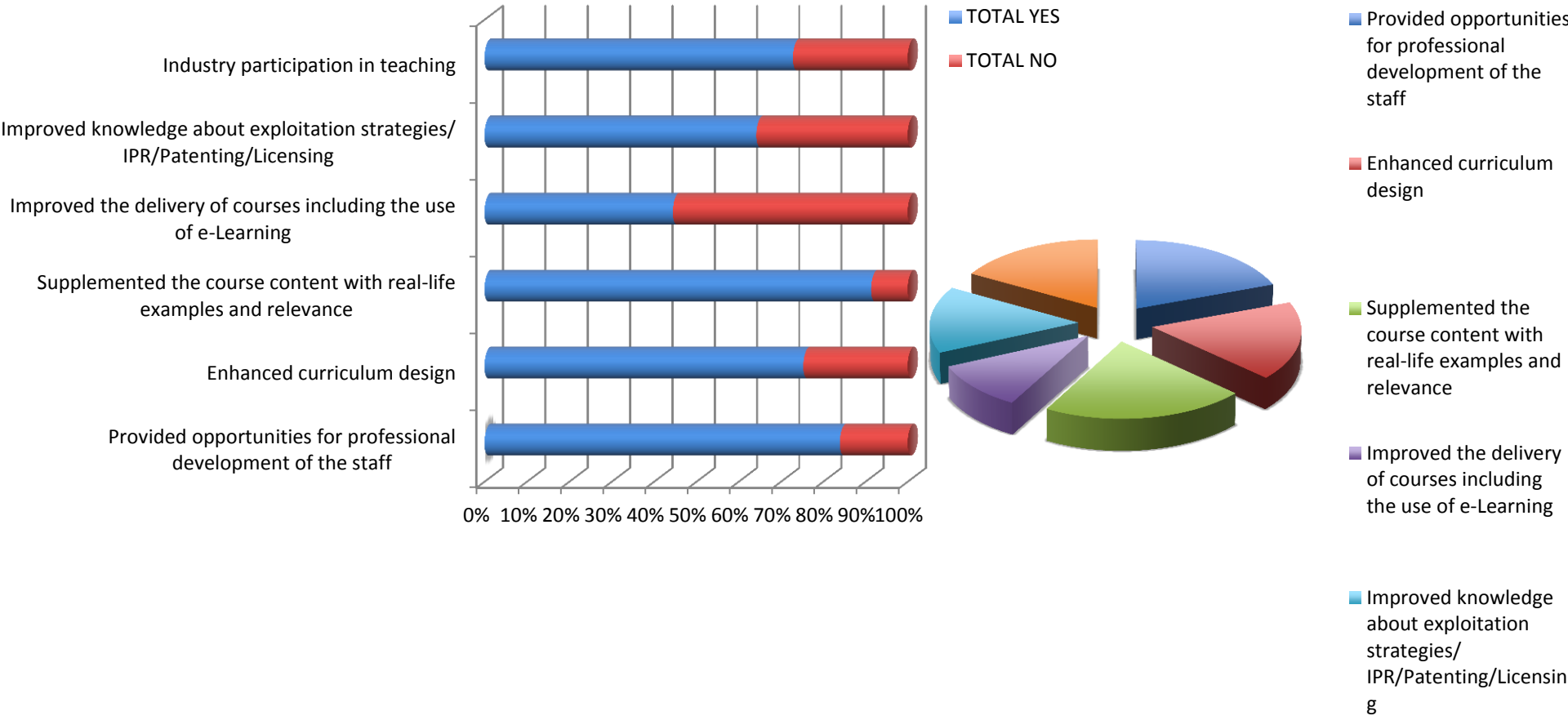
➔ Does your institution provide training or education on transfer of knowledge and technology in the field of Food Science and Technology to:



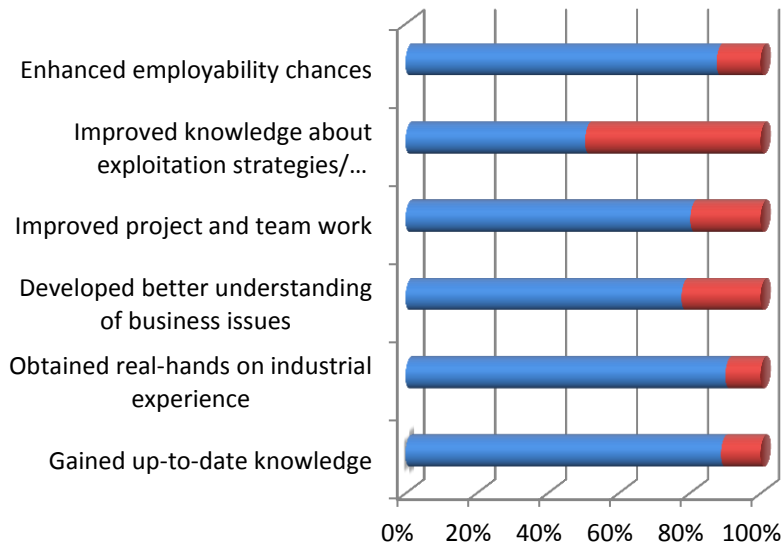
# → What type of knowledge and/or technology transfer activities are undertaken by your Institution?



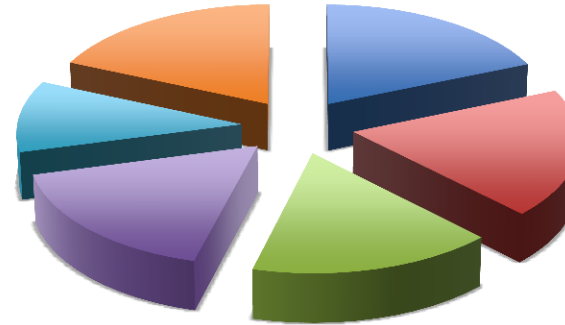
# → How do these knowledge and/or technology transfer activities help lecturers?



# → How do these knowledge and/or technology transfer activities help students?

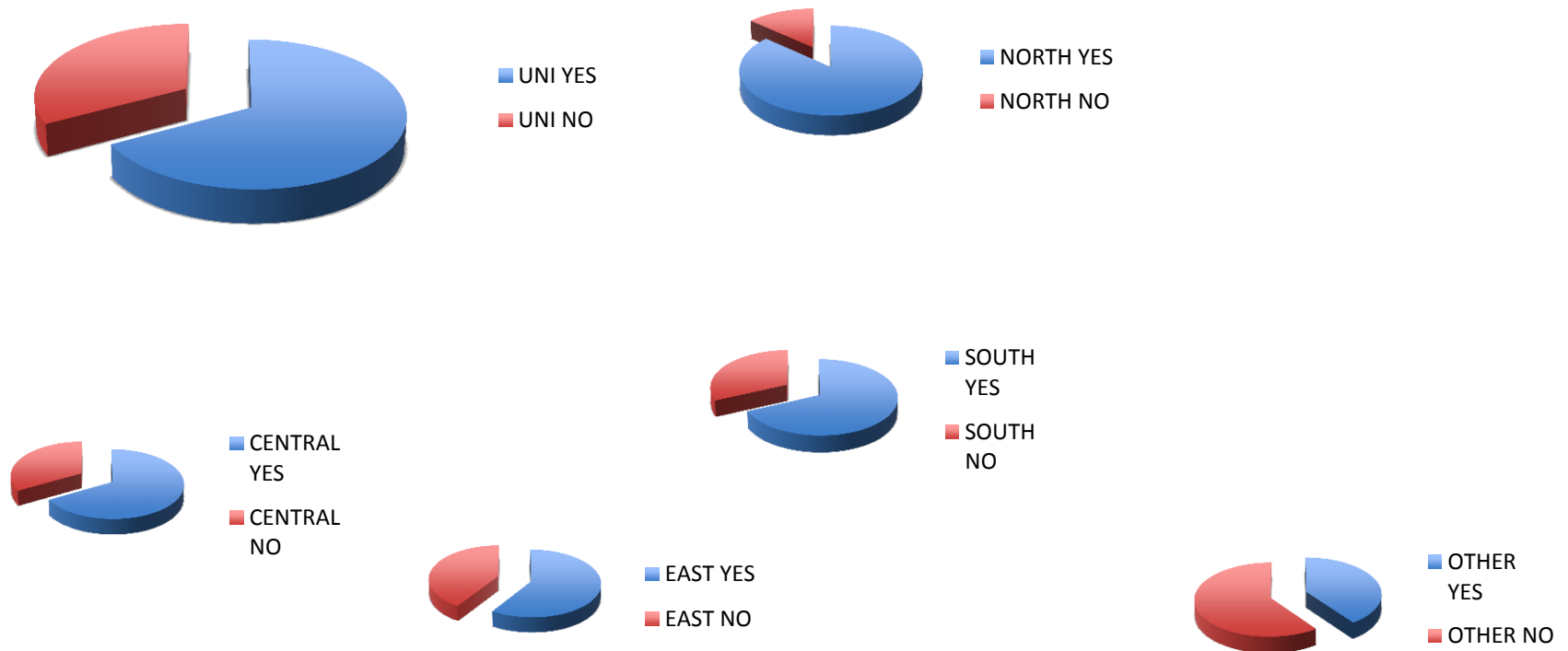


■ TOTAL YES  
■ TOTAL NO

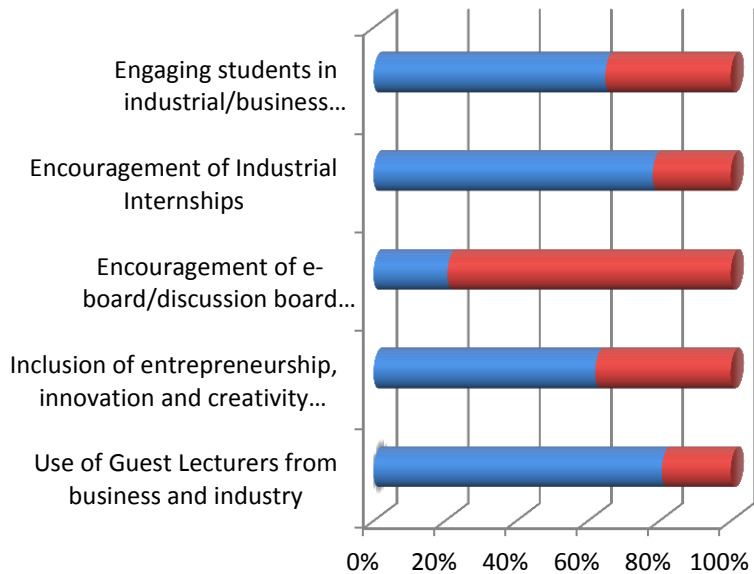


- Gained up-to-date knowledge
- Obtained real-hands on industrial experience
- Developed better understanding of business issues
- Improved project and team work
- Improved knowledge about exploitation strategies/ IPR/Patenting/Licensing
- Enhanced employability chances

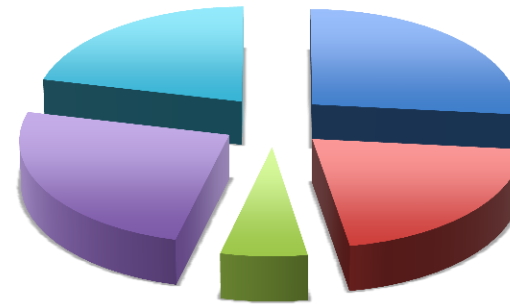
→ **Does your institution have a methodology for introducing students to knowledge and / or technology transfer activities?**



# ➔ What types of methodologies are employed by your institution?

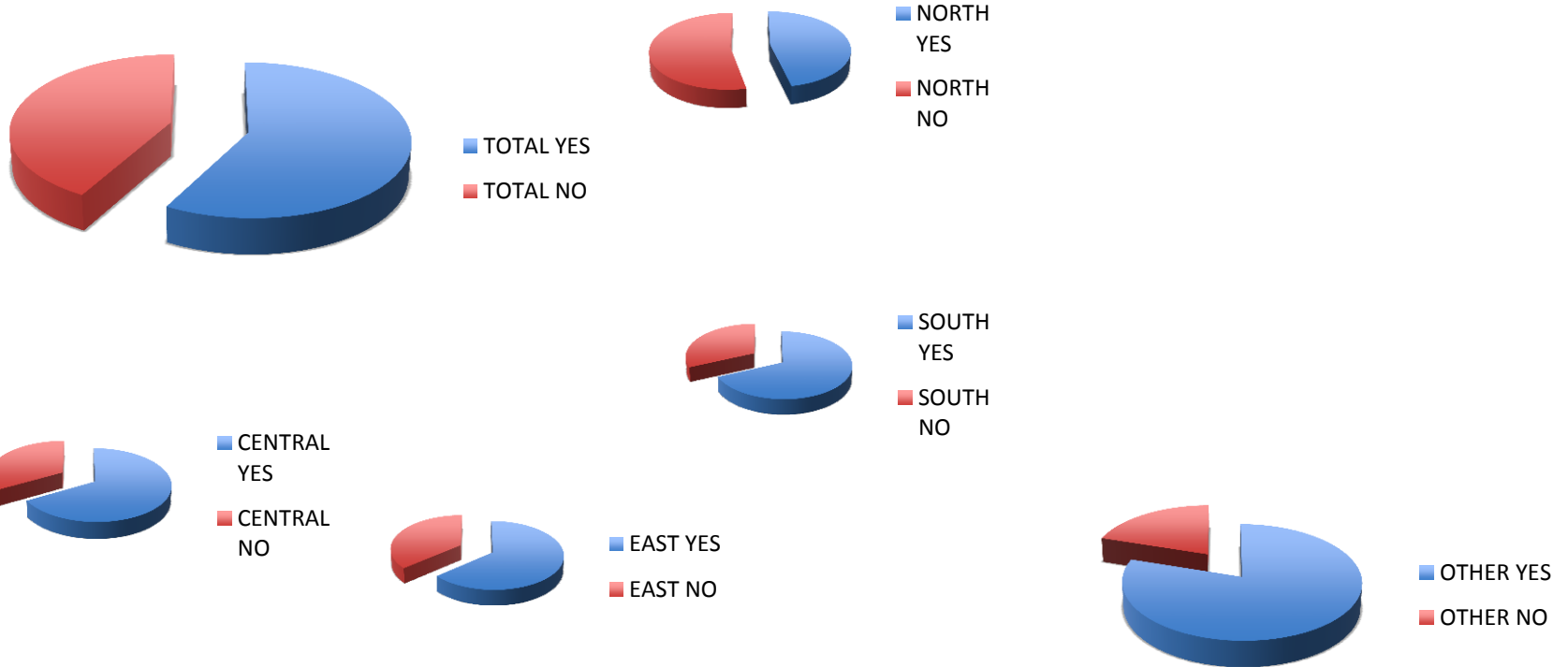


■ TOTAL YES  
■ TOTAL NO

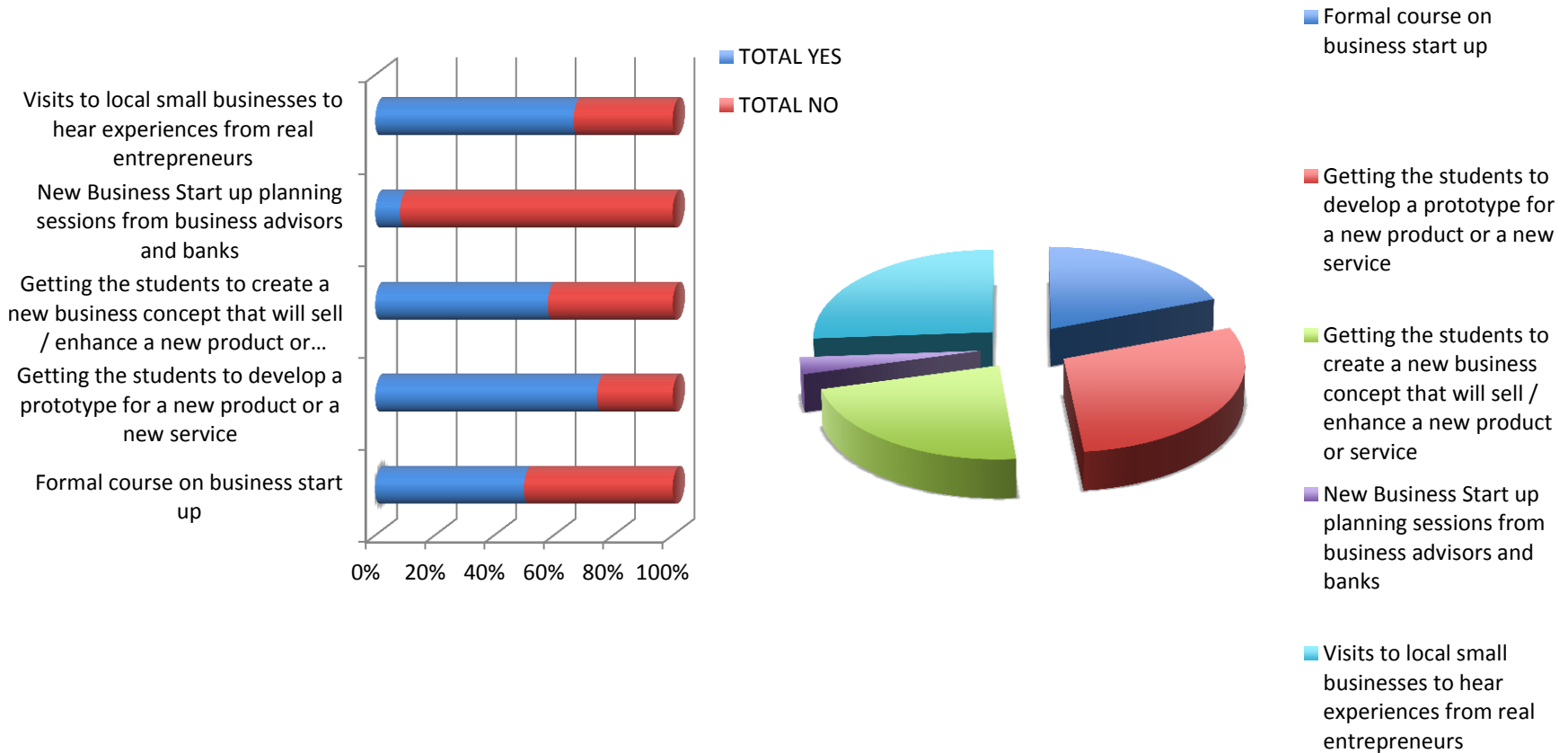


- Use of Guest Lecturers from business and industry
- Inclusion of entrepreneurship, innovation and creativity sessions in the educational programmes
- Encouragement of e-board/discussion board postings on the institution website
- Encouragement of Industrial Internships
- Engaging students in industrial/business competitions and sponsorship activities

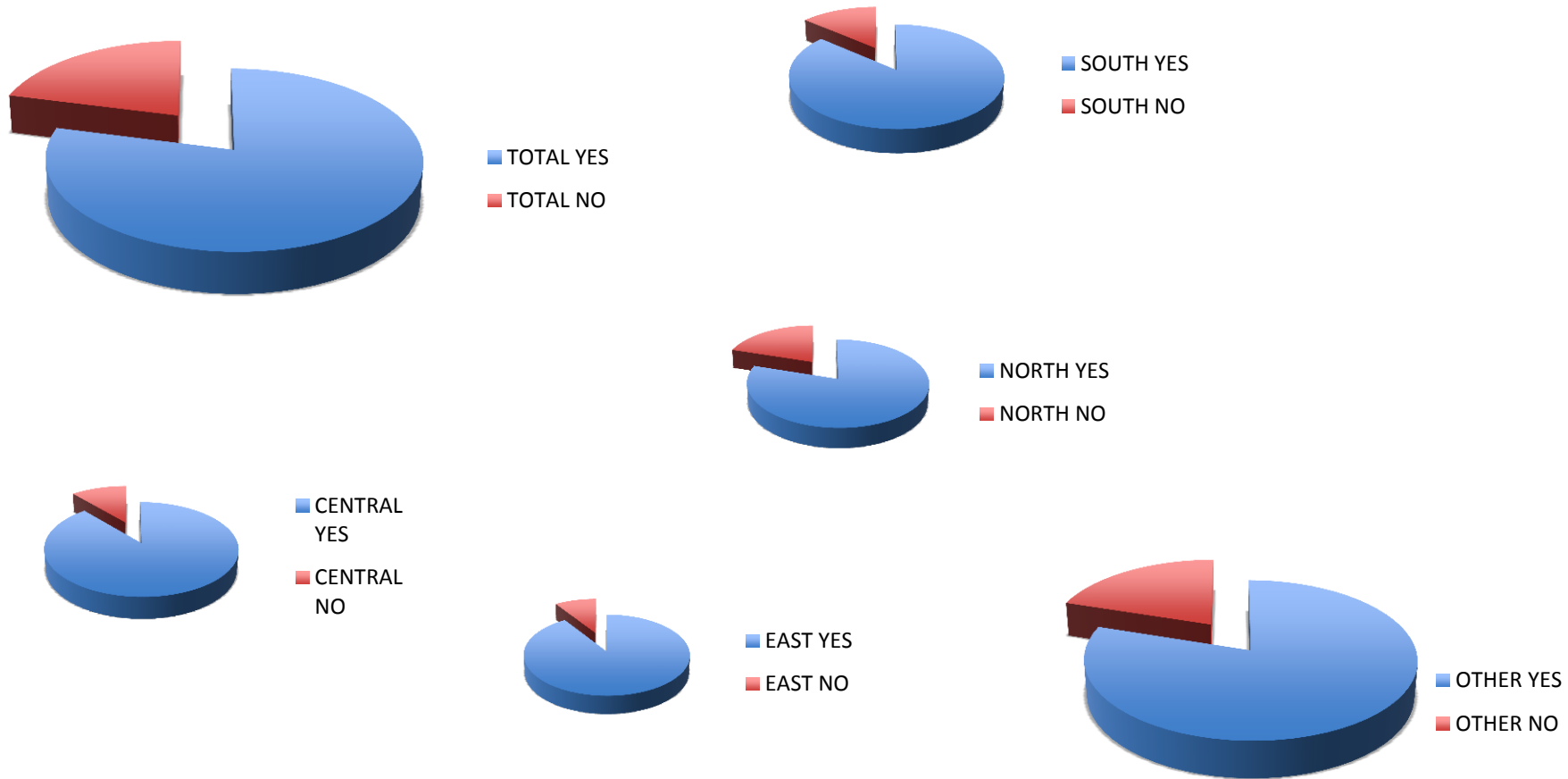
→ Do you include in your educational programmes the topic 'Entrepreneurship'?



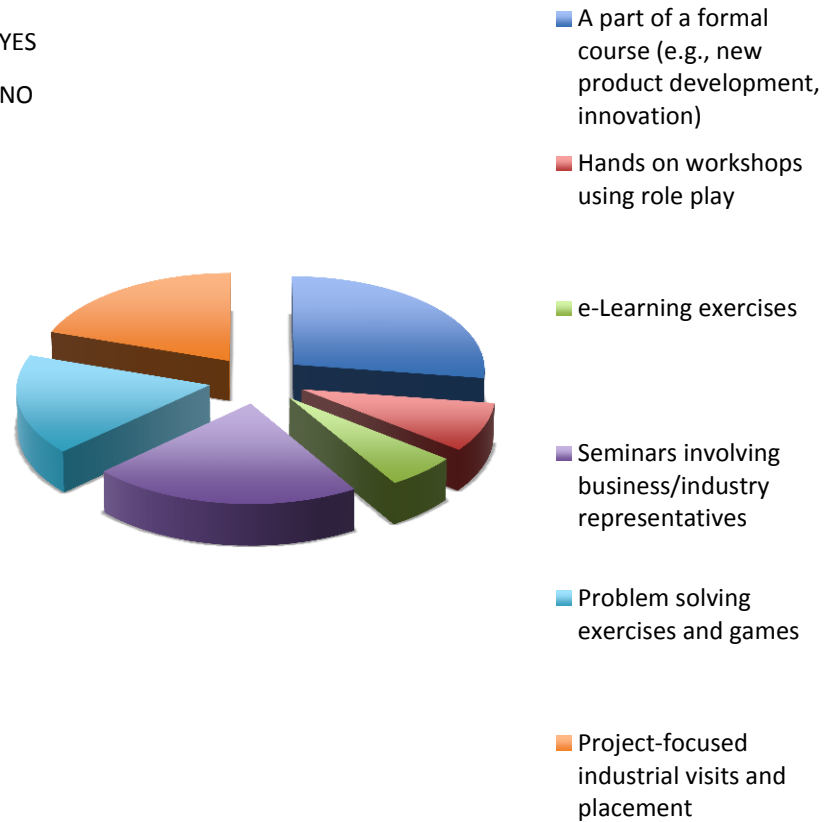
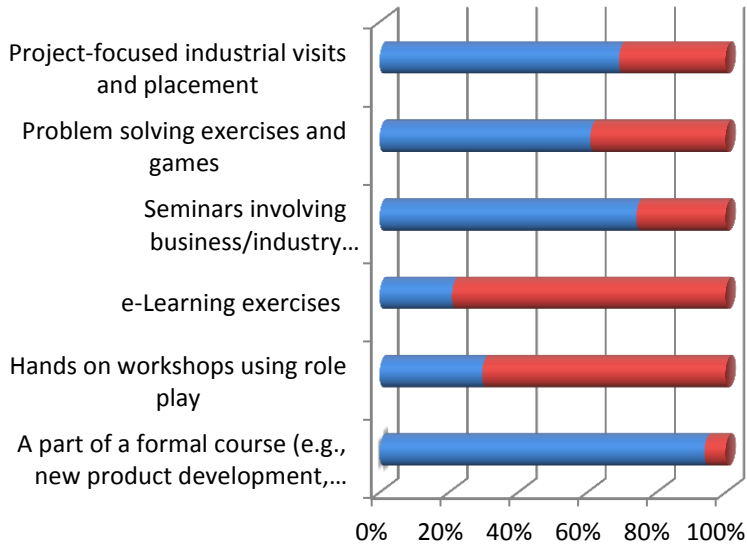
# ➔ How is entrepreneurship incorporated into the educational programme?



# → Does your institution teach innovation and creativity?



# ➔ What methods are used to teach innovation and creativity?



# INFORMATION ON TRANSFER OF KNOWLEDGE AND TECHNOLOGY

## ACTIVITIES IN THE FIELD OF FOOD

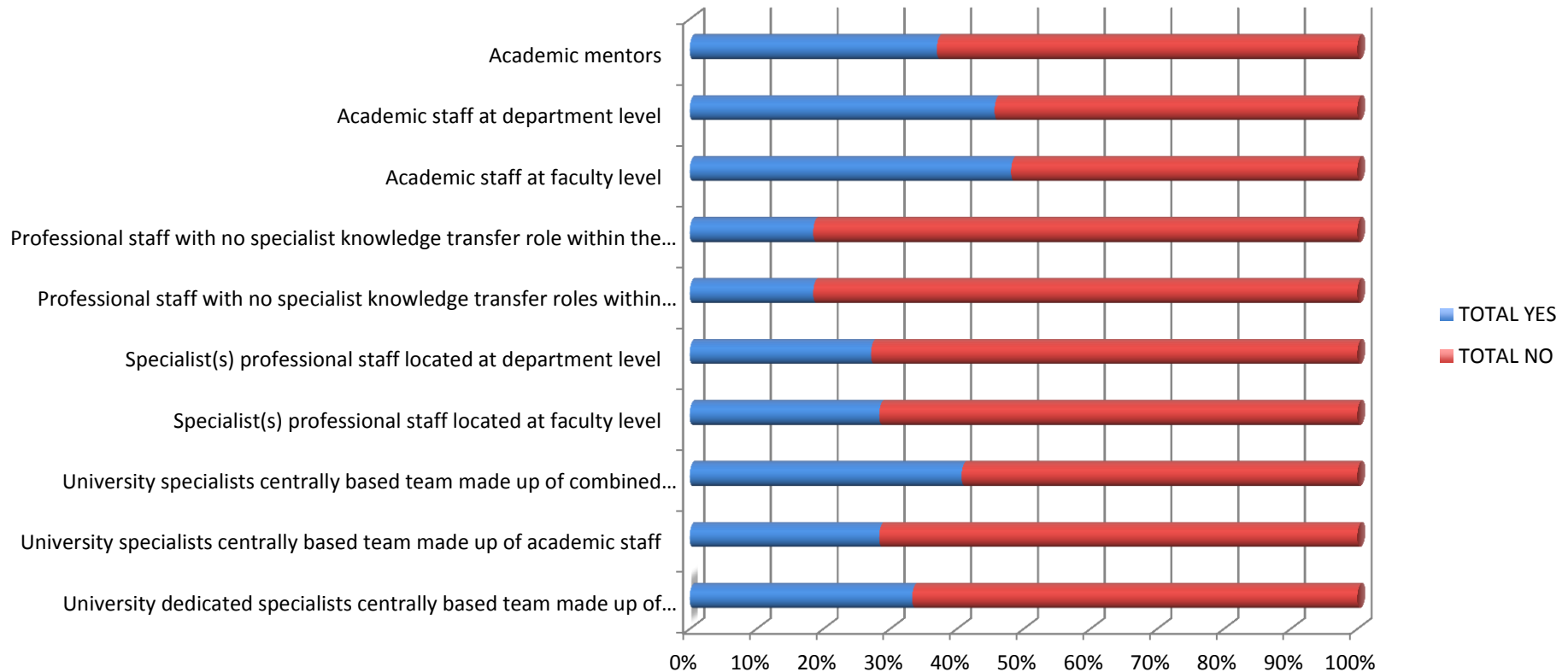


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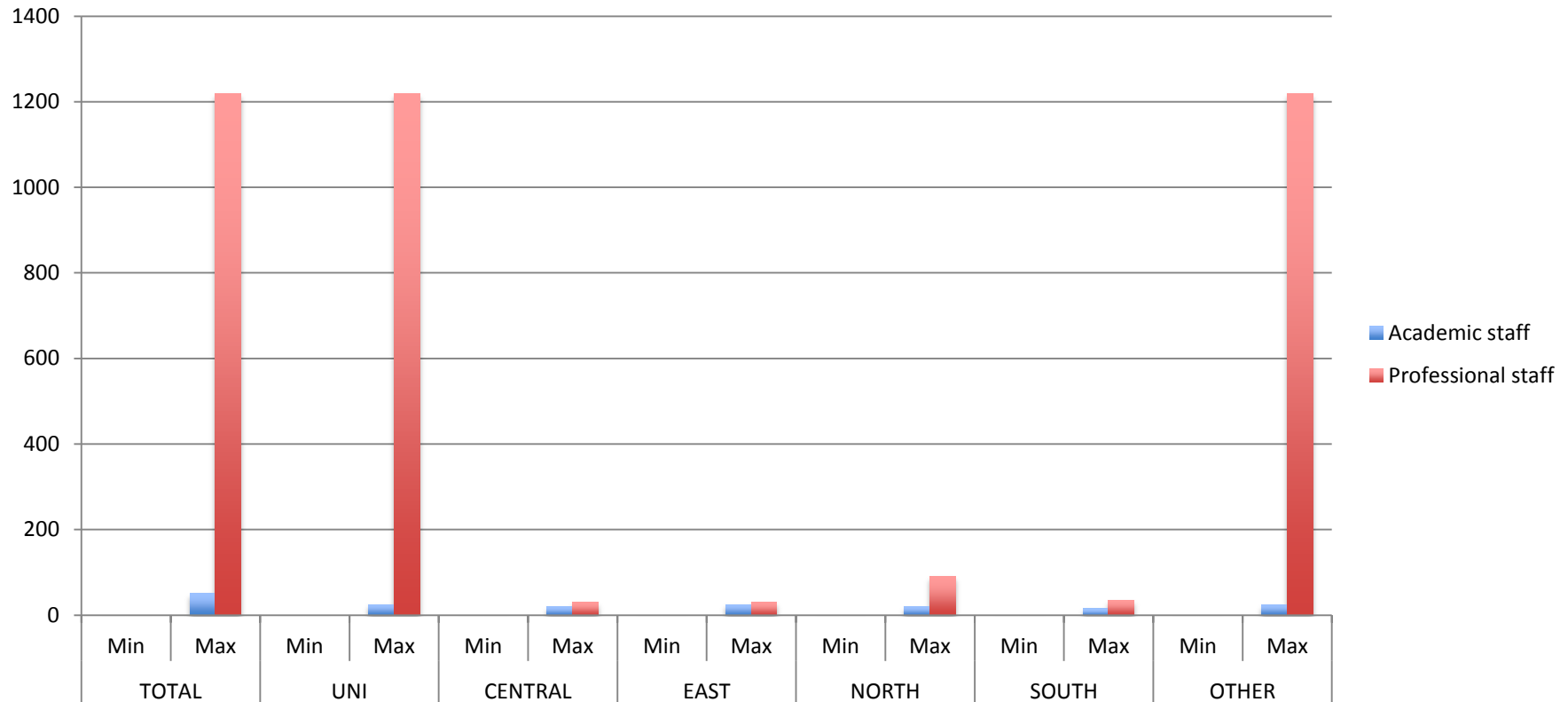
➔ **What type of support is available for facilitating knowledge transfer/consultancy/enterprise/technology transfer (hereafter referred to as knowledge transfer) at your institution?**

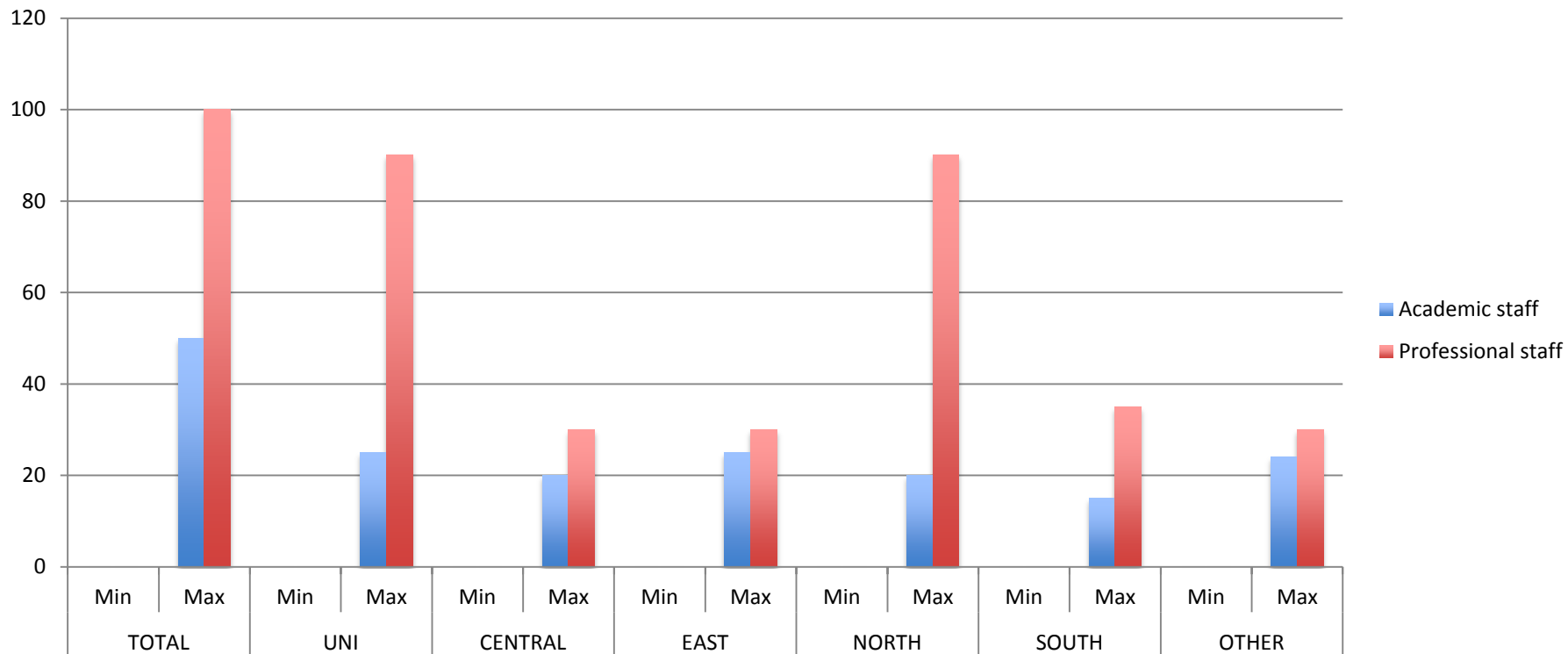




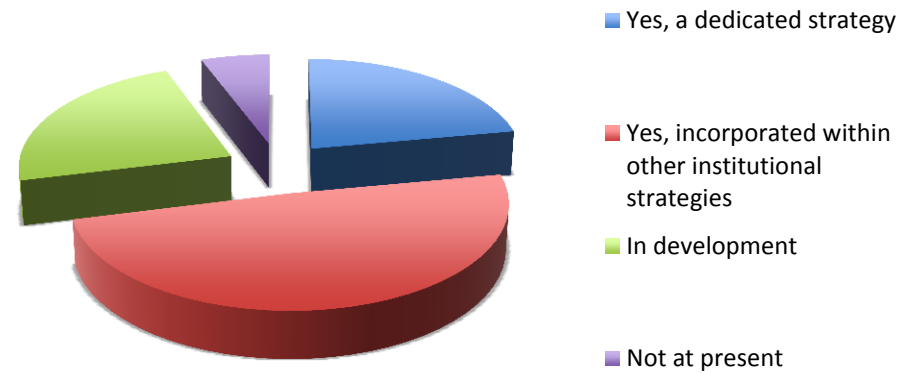
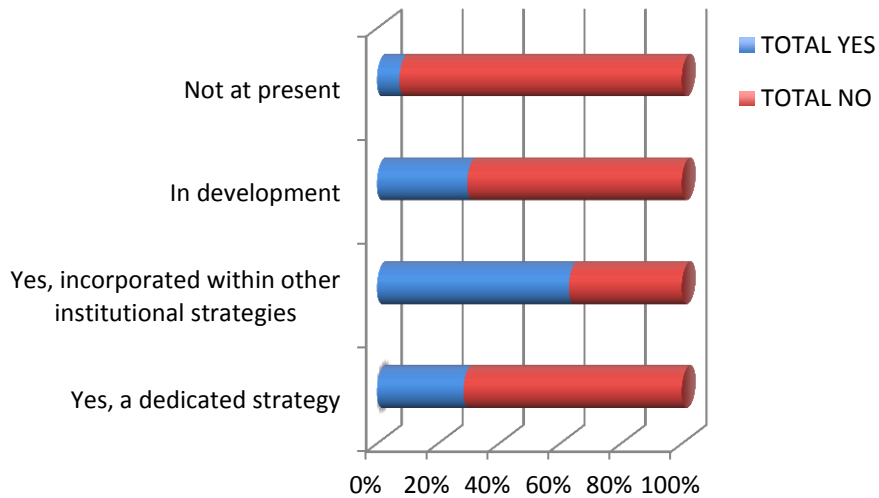
- University dedicated specialists centrally based team made up of professional staff
- University specialists centrally based team made up of academic staff
- University specialists centrally based team made up of combined professionals and academic staff
- Specialist(s) professional staff located at faculty level
- Specialist(s) professional staff located at department level
- Professional staff with no specialist knowledge transfer roles within the faculty
- Professional staff with no specialist knowledge transfer role within the department
- Academic staff at faculty level
- Academic staff at department level
- Academic mentors

➔ Roughly how many staff are employed with a specific part of their role to support knowledge transfer?

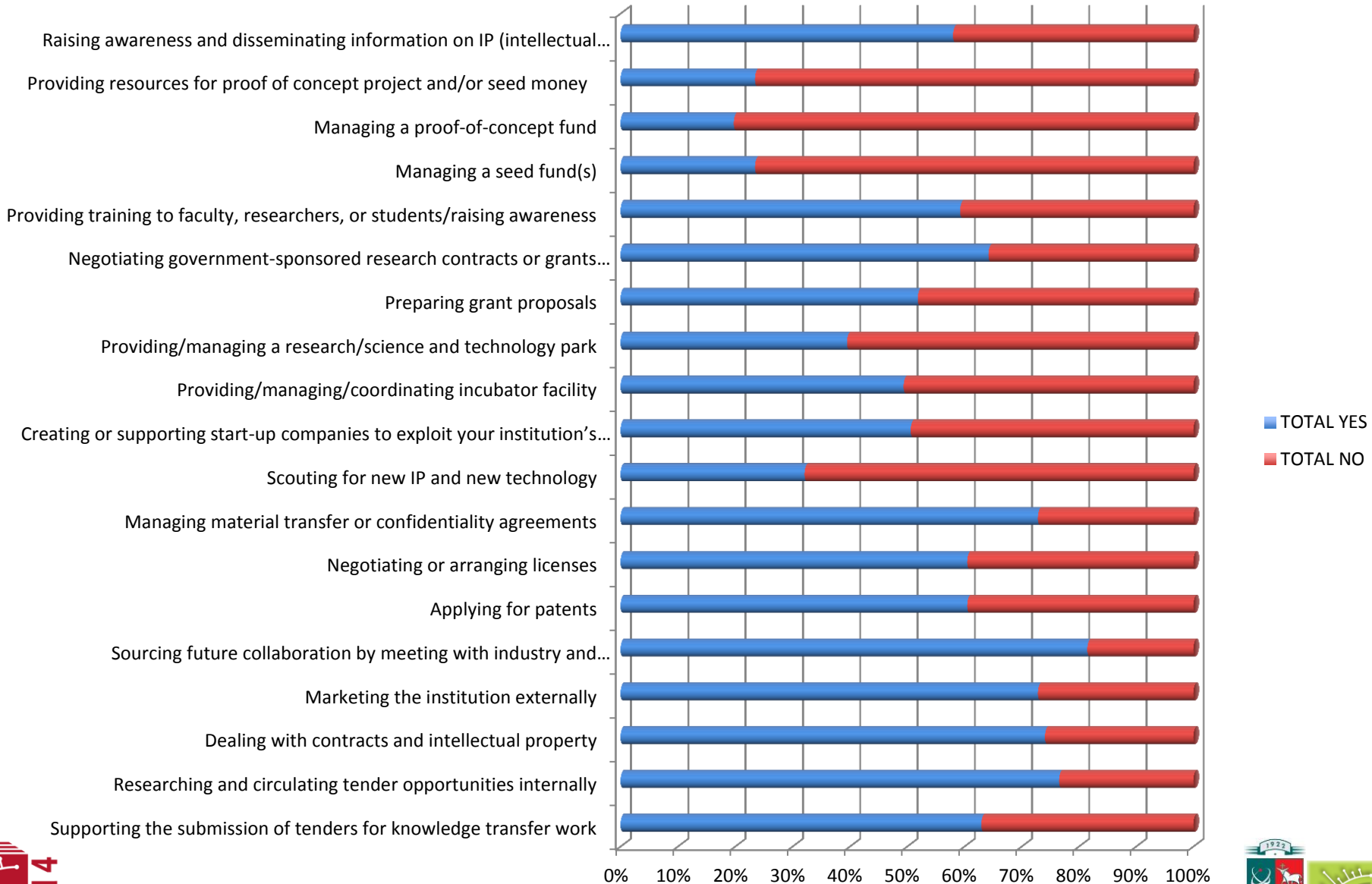




# ➔ Does your institution have a knowledge transfer strategy?



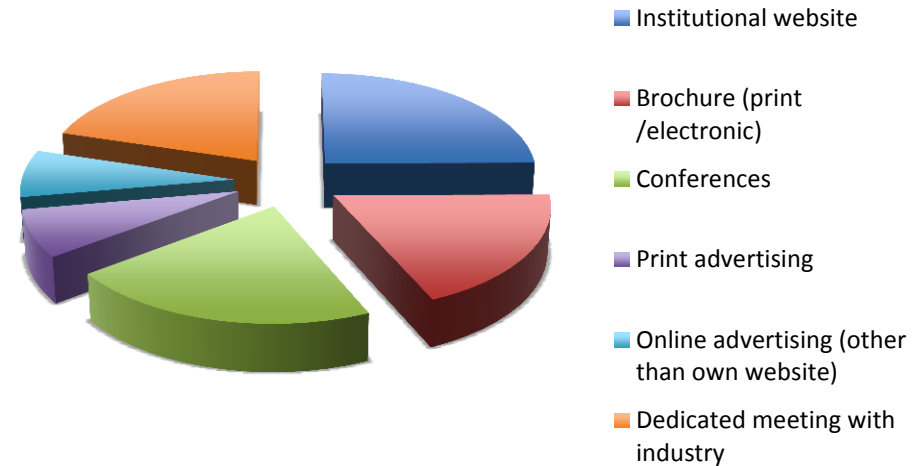
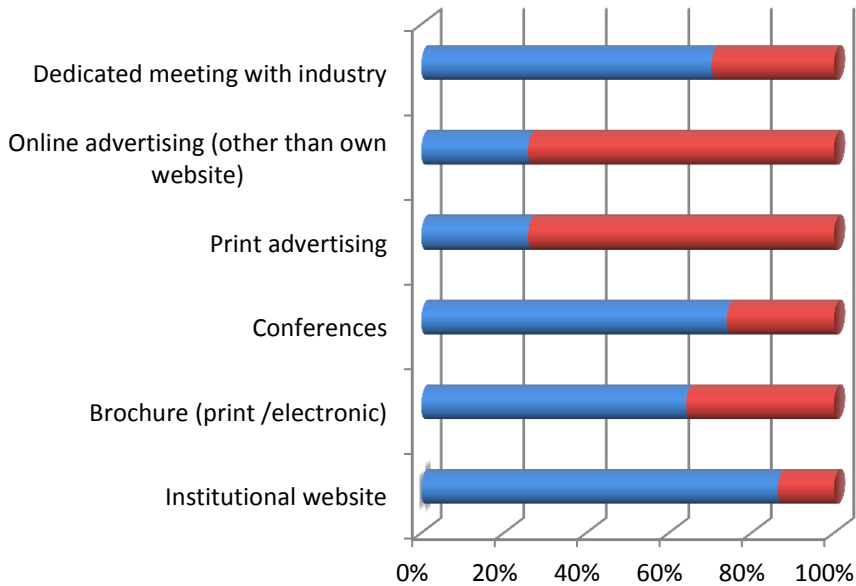
# ➔ What activities the staff responsible for knowledge transfer perform?



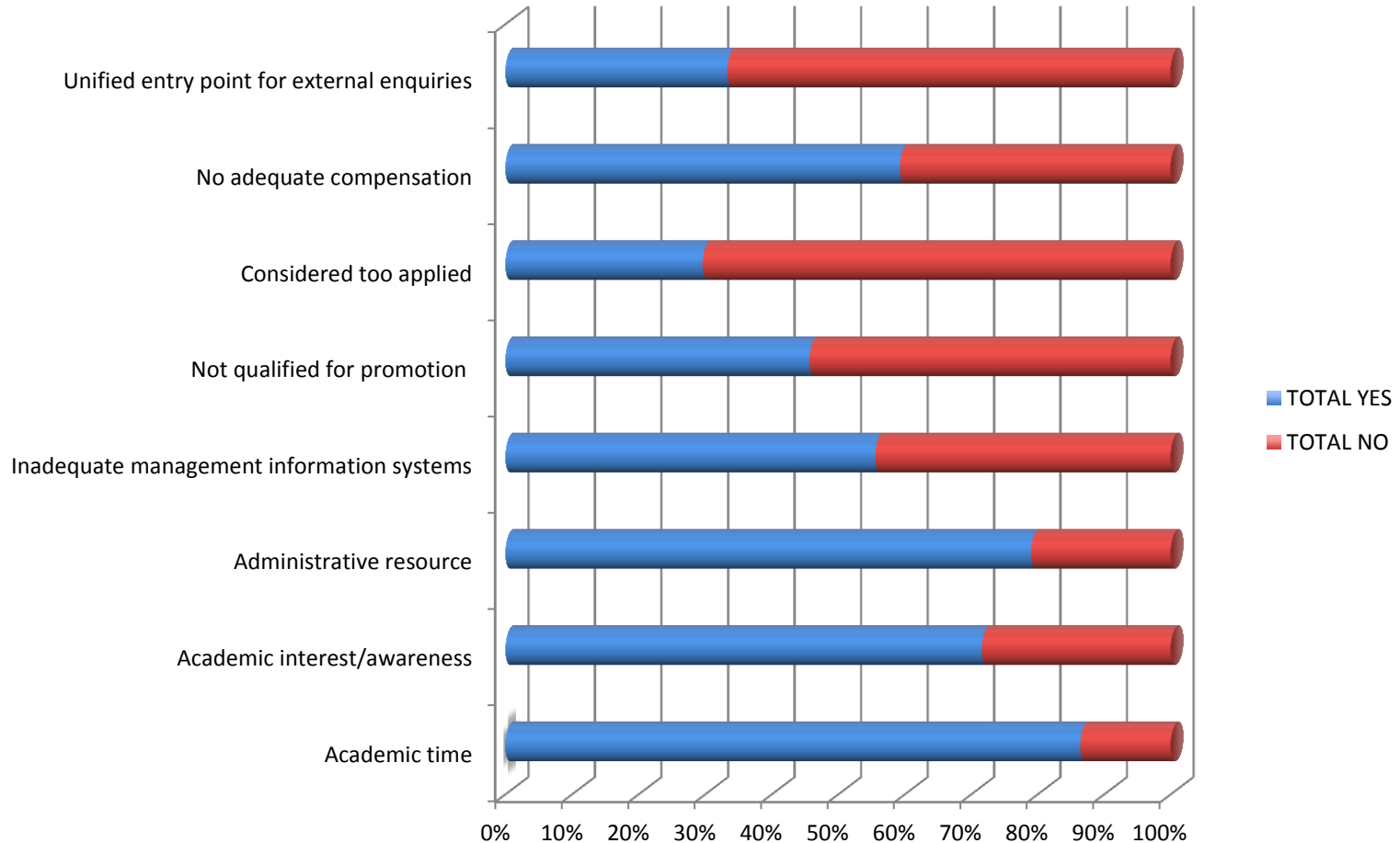


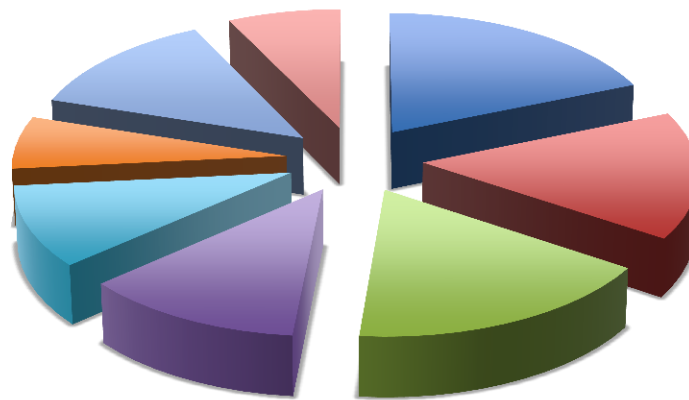
- Supporting the submission of tenders for knowledge transfer work
- Researching and circulating tender opportunities internally
- Dealing with contracts and intellectual property
- Marketing the institution externally
- Sourcing future collaboration by meeting with industry and stakeholders
- Applying for patents
- Negotiating or arranging licenses
- Managing material transfer or confidentiality agreements
- Scouting for new IP and new technology
- Creating or supporting start-up companies to exploit your institution's inventions
- Providing/managing/coordinating incubator facility
- Providing/managing a research/science and technology park
- Preparing grant proposals
- Negotiating government-sponsored research contracts or grants (regional, national, EU)
- Providing training to faculty, researchers, or students/raising awareness
- Managing a seed fund(s)
- Managing a proof-of-concept fund
- Providing resources for proof of concept project and/or seed money
- Raising awareness and disseminating information on IP (intellectual properties) and entrepreneurship

# → How knowledge transfer activity of your institution is promoted externally?



➔ **What barriers are typically encountered by academic staff in knowledge transfer activities?**





- Academic time
- Academic interest/awareness
- Administrative resource
- Inadequate management information systems
- Not qualified for promotion
- Considered too applied
- No adequate compensation
- Unified entry point for external enquiries

# Time for your voice!

## Round Table Discussion



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