

# ALL4R&D ACADEMIA BUSINESS COLLABORATION (ABC) QUESTIONNAIRE

Promoting academia-industry alliances

# ABC questionnaire -Aims

The ABC questionnaire is conducted in the early stages of the project to **assess the current situations in the partner and program countries to analyze ABC potential.**

The questionnaire was sent to universities and companies to collect information about:

1. Current ABC activities and types of collaborative projects
2. Factors that promote ABC and motivate for ABC
3. Factors that inhibit ABC or are obstacles for ABC
4. Existing support mechanism/structures for ABC in the respective organization
5. Importance of possible outcomes of ABC

# ABC questionnaire -Approach

The ABC questionnaire was distributed in four different languages.

Each institution should carry out at least 10 interviews.

The questionnaire comprised 95 questions:

- 83 related ABC questions

  - Rating from none (1) to exceptional high (5)
  - or Yes/No questions

- 12 related to the respondent

# ABC questionnaire – Data basis

**209 participants** were interviewed  
(exceeding the minimum requirements of 200)

**Respondents** (only assignable answers)

from all participating countries:

- program countries 57 validated responses
- partner countries 142 validated responses

78 validated responses from universities with different levels of education (BSc, MSc, PhD)

117 validated responses from industry  
since <10 to 1000+ employees

# Types of ABC activities

Program and partner countries **highest** rated answers (30 – 40 %)  
**Curriculum co-development, co-design and co-delivery**

Program and partner countries **lowest** rated answers (5 – 20 %)  
**Spin offs**  
**Commercialisation of R&D results**

Significant **difference** between program and partners countries  
**Joint R&D** (Program ~38% up to high, Partner ~21% up to high)

Program and partner countries **often**  $\geq 50\%$  **low or no activity**

# Types of collaborative projects

Program and partner countries **highest** rated answers (55 – 75 %)

**Educational projects**

Program and partner countries **lowest** rated answers (~40 %)

**Student undertaking industrial training**

**Technology development**

**Idea testing**

Significant **difference** between program and partners countries

**Joint research projects**

(Program ~50%, Partners ~70% up to high)

# Facilitating factors ABC

Program and partner countries **highest** rated answers (~60 %)

**Existence of mutual trust**

**Existence of shared goals**

In general Similar rating from program and partner countries

Similar rating for the difference questions

# Motivational Factors for ABC

Program and partner countries **highest** rated answers (80 – 85 %)

**Better qualified graduates**

**Access to technology and knowledge**

Program and partner countries **lowest** rated answers (60 – 70 %)

**Obtain customized solutions**

Significant **difference** between program and partners countries

**Obtain funding** (Program ~70% yes, Partners ~48% yes)



# Inhibiting factors ABC

In general

Similar rating from program and partner countries  
Similar rating for the difference questions

Significant **difference** between program and partners countries

**Differing mode of communication and language between universities and industry**

(Program ~38% up to high, Partners ~24%)

# Barriers of ABC

Program and partner countries **highest** rated answers ~50% up to high  
**of knowledge on the needs of firms**

**Lack of professionals to dialogue with firms**

**Bureaucracy in the universities**

**Costs**

**Lack**

Program and partner countries **lowest** rated answers (20 – 30 %)

**Geographical distance**

**Intellectual property rights**

Significant **difference** between program and partners countries  
**on priorities** (Program ~52%, Partner 38% up to high )

**Differences**

# Existing ABC support mechanisms

In general

Diverse answers, significant differences for some mechanisms but good agreement in others.

General statements not applicable

No support mechanism exists in more than 50% of the organisations

Significant gap of support mechanisms in the organization  
Room for improvement of Partner and Program countries

# Importance of ABC results

Program and partner countries **highest** rated answers (50 – 75 %)

**Joint research projects**

**Closing the gap for educational needs and industrial trends**

Program and partner countries **lowest** rated answers (20 – 40 %)

**Patents**

Significant **difference** between program and partners countries

**Scientific discoveries**

**Joint educational programs**

# Conclusion

Significant room for improvement of ABC

For most ABC activities 50% or more of the respondents have low or no experience.

Many collaborative projects are not conducted regularly, especially

Student undertaking industrial training, Technology development, Idea testing (<40%)

Existence of mutual trust and shared goals is the most important factor facilitating to ABC

Access to technology and knowledge, and better graduated students is the main motivational factor for ABC

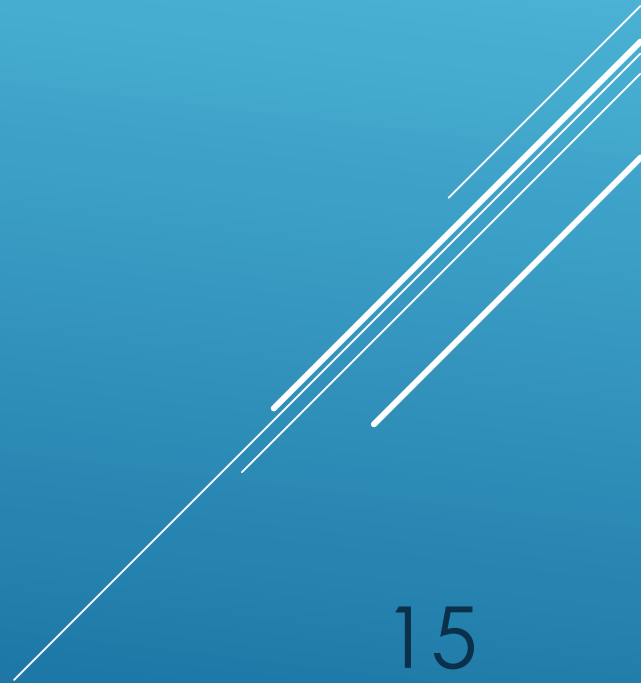
# Conclusion

## Main Barriers of ABC

- Lack of knowledge on the needs of firms
- Lack of professionals to dialogue with firms
- Bureaucracy in the universities
- Costs

Many organizations lack supporting mechanisms for ABC  
Most important ABC results are Joint research projects and the gap for educational needs and industrial trends

Closing



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