Space for you : NEREUS International Conference

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Round Table : Space Careers Opportunities

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YOUR REACTION ?

Average age in Space sector = 48 years !

- Within 15 years, majority of the staff will be retiring!!
- By 2029, we will have to fill +/- 16 000 free jobs !!

MANY POSITIVE INITIATIVES :

- Regional : Regione Puglia Governo ...
- National : Germany, Great Britain, France ...
- ESA : Education Service, Internship ...
- Europe : NEREUS ...

BUT

NO INTEREST IN SCIENTIFIC AND SPACE STUDIES !!

WHY?

- Communication about studies : «Long and difficult...only for engineers, mathematicians » - No information about Space options at the university
- No information about numerous Space jobs : jurist, agronomist, geographer, doctor, welder, biologist, computer graphist designer, computer scientist, electro-technician, ...
- Education/industry, 2 worlds with insufficient interactions = Students don't know the Space sector and how they can commit themselves

How to face up to this lack of interest?

LET'S GO FOR A NEW CHALLENGE !

Build a strong « Spirit » in Spatial education in Europe

Support students all along their studies

HOW TO BUILD THIS STRONG SPIRIT IN SPATIAL EDUCATION?

A. National level : Improve the interactions between the Educational and the Spatial sectors - Be pragmatic !

1. Better exchange of information about Master thesis and doctorates and high qualified skills

= Industry can suggest <u>research subjects</u> of interest

= University can share information about of their researches/works

2. Industry must increase the number of minimum 6 months internships

- = to involve earlier the students in the sector
- = to get the students more operational
- = a win-win approach for enterprises and students

National level : Improve the interactions between the Educational and the Spatial sectors (Continued)

3. Support the students by providing mentors to improve skills transfer

4. Inform on hundreds of jobs in the Space sector other than civil engineers and astrophysicists

5. Pay a **compensation** to the students (National Space Agency + industry)

6. Promote young scientific talents and skill workers (Space Price)

HOW TO BUILD THIS STRONG SPIRIT IN SPATIAL EDUCATION?

B. European level : Coordinate national efforts !!

- Harmonizing the length of internship 6 month ? 1 year ?
- Provide a specific **booth for "YOUNG" at Aeronautics and Space events** in Berlin, Paris or London with all European industries :
 - To organize conferences, debates
 - To exchange jobs, internships, CVs
 - To find mentors
 - To give them the opportunity of high level meetings
- Create a « Space Erasmus » of minimum 6 months during the studies
- Horizon 2020 : Foster the development of common research subjects between industries and PHDs

CONCLUSIONS

Space sector in Europe can be more attractive if :

- We create a strong "spirit" for Space education and careers
- We intensify contacts and organize debates between the students and the Industry
- We set up in Europe a minimum 6 months internship in the Industry during studies
- Students immerse themselves into new technologies, have time and « Brain juice » to think and ... to invent !

The future of humanity is in the head of the students !!

Let's intensify the changing of generation !!

