WG Education, Training, Communication

MAIN TOPICS

1. Education and Training
To articulate the European educational and training potential oriented to space applications

2. Human Resources and skills for enterprises
To articulate the potential demand of the entities/agents working in this sector.

3. Demand oriented information and training for end users
Information and training about the application of space technologies for potential end-users

=> Cross border issues (1 & 2)
Matching human resources and business needs

ACTIVITIES

1. Identification of European Programmes and Funds
FP7, CIP, other programmes

2. Networking
Exchange, information and Knowledge dissemination

3. Mapping of Resources
Expertise and Infrastructure

4. Seminars & Educational Activities
Study seminars, conventions, …

5. Measures and Tools.
To train, to communicate and to exchange, Information in order to match offers and demands

6. Mapping users & needs

MAIN TOPICS / ACTIVITIES	1. Education & Training	2. Human Resources	3. End Users	CROSS BORDER ISSUES (1 & 2)
1. Identification of European Programmes	■	■	■	
2. Networking	■	■		■
3. Mapping of Resources	■	■	■	
4. Seminars and Educational Activities	■	■	■	■
5. Measures and Tools	■	■	■	■
6. Mapping Users & Needs			■	

1. MAPING PROCESS: EDUCATION & TRAINING
To articulate the European educational and training potential oriented to space applications

1.1. **Mapping of Resources. Mapping of the UNIVERSITY LEARNING RESOURCES in the field of Aerospace Technologies.**

Goal:
To Identify the UNIVERSITY LEARNING RESOURCES in the field of Aerospace Technologies in each region.

Methodology:
To identify in each region all learning and training resources (at university and non university level) related to Aerospace technologies. This means:

At University level: (career, university, specialisation)
Sort of Entity: Universities, University Centres and Institutes
Graduate/postgraduate: University qualifications: Graduate (University Degrees) and Postgraduate degrees (Master and PhD Programs)

Non University level:
Professional Certificates and other academic qualifications

1.1.A. Summary.
To summarize the global and current situation of the regional education/teaching system (resources) related to aerospace technologies: Sort of careers, universities and number of students, university and non university courses, graduate and postgraduate programs.

1.1.B. Description. To describe more deeply each of the identified items from 1.1.A

UNIVERSTY LEVEL

TRAINING AND EDUCATIONAL RESOURCES RELATED TO SPACE SCIENCES AND TECHNOLOGIES GRADUATE DEGREE				
University Degree Name		University		
Specialties	Description	Faculty/Center/Institute		Department

Add more lines if needed.   To add more University Degrees copy and paste the above table.

TRAINING AND EDUCATIONAL RESOURCES RELATED TO SPACE SCIENCES AND TECHNOLOGIES POST-GRADUATE DEGREE				
☐ Master Program ☐ PhD Program		University		
Specialties	Description	Faculty/Center/Institute		Department

Add more lines if needed.   To add more Master/PhD Programs copy and paste the above table.

NON UNIVERSITY LEVEL (Professional qualifications)

TRAINING AND EDUCATIONAL RESOURCES RELATED TO SPACE SCIENCES AND TECHNOLOGIES			
Name		**Entity**	
Specialties	**Description**		

Add more lines if needed.   *To add more courses copy and paste the above table.*

1.1.C. Identification of previous initiatives. To identify all learning initiatives (at regional, national and European level / existing and old ones) and funding sources related to aerospace technologies.

IDENTIFICATION OF PREVIOUS INITIATIVES			
Learning Initiative		**Funding source**	
Learning Initiative		**Funding source**	
Learning Initiative		**Funding source**	

Add more lines if needed.

1.2. HUMAN RESOURCES AND SKILLS FOR ENTERPRISES

1.2. **Mapping of the Professional Qualifications and Skills Required by ENTERPRISES in the Aerospace Technology Sector.**

Goal:
To identify, in the private sector, personnel needs and lack of training.

Methodology:
- Difficulties to meet the demand
- Required Professional Profiles
- Developed Strategies

1.2.A. Summary of aerospace technologies users.
Summarize regional sectors and enterprises that use and need aerospace technologies, and how many people are involved in such sectors and activities.

1.2.B. Description of the current aerospace technology users.
Describe sectors and their activities that use aerospace technologies, and the necessary skills to carry them out.

BUSINESS SECTORS NEEDS ON HUMAN RESOURCES AND SKILLS ON SPACE SCIENCES AND TECHNOLOGIES		
Business sectors	**Activities**	**NEEDED Space sciences and technologies SKILLS**

Add more lines if needed.

PUBLIC BODIES NEEDS ON HUMAN RESOURCES AND SKILLS ON SPACE SCIENCES AND TECHNOLOGIES		
Public Entity	**Activities**	**NEEDED Space sciences and technologies SKILLS**

Add more lines if needed.

1.2.C. Summary of training needs and lacks.

Summarize the training needs and lacks of educational background of the personnel from the regional sectors.

1.2.D. Identification of funding sources.

To identify and describe the regional, national and European programs that fund and support the design of educative programs and the implementation of training actions.

EUROPEAN FUNDING TO DESIGN EDUCATIVE PROGRAMS AND TO TRAIN SKILLED PROFESSIONAL ON SPACE SCIENCES AND TECHNOLOGIES			
European Program		**Supported Actions**	
Description			
European Program		**Supported Actions**	
Description			
European Program		**Supported Actions**	
Description			

Add more lines if needed.   *To add more European Programmes copy and paste the above table.*

1.3. DEMAND ORIENTED INFORMATION AND TRAINING FOR END USERS

1.3. Mapping of the training needs of the end-users

Goal:
To identify the training needs of the end-users, especially at Regional Government level, with the aim of becoming Technology End-Users.

Methodology:
- To detect potential users
- To identify training and awareness-raising needs

1.3.A. Summary of end-users.
Summarize all potential end-users who could apply aerospace technologies (universities, technology centers, public administrations, business sectors …)

1.3.B. Description of end-users.
Identify all current and potential end-users of aerospace technologies and describe the activities could carry out.

- SCIENTIFIC SECTOR – END USERS (Research Groups, Labs, Research Centers, Foundations..)

- TECHNOLOGY SECTOR – END USERS (Innovation and Technology Centers, Foundations, …)
- PUBLIC ADMINISTRATION – END USERS (Local, municipal and regional entities, public foundations, research centers, labs, enterprises, development agencies…)
- ENTERPRISES – END USERS (Sectors)

1.3.C. Main difficulties to access to aerospace technologies
Describe all circumstances that don't let reach aerospace technologies to end users: training needs, lack of educative infrastructure, awareness-raising about aerospace technologies,…

1.3.D. Implemented Actions to involve potential end-users
Describe all implemented training actions in your region where potential aerospace technologies end-users to involve have been involved

B. Design of training programmes (Act. 2,4,5)
To design and to implement communication, information and training processes, for potential users about the possibilities of the space technologies and their applications.

C. Identification of European Programmes (Act. 1)

EUROPEAN FUNDS ORIENTED TO FINANCE COMMUNICATION AND DISSEMINATION CAMPAINGS AND TRAINING ACTIONS				
European Program		**Fields ***		
Specific Program		**Call for Proposal chronicity**		
Priority Area				
Funding scheme 1		**Funded actions**		
Funding scheme 2		**Funded actions**		

Add more lines if needed.   To add more European Programmes copy and paste the above table.

4. CROSS BORDER ISSUES

A. Matching the educational and training resources to human resources and skills needs of the space business sector. (Act. 2, 4, 5)

To design a joint training programme (University-Industry) to address the enterprises needs on human resources and skills, to the European educational resources