GMES and SPACE related issues in Poland

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Content of presentation

1. Polish Space Sector (SWOT analysis)
2. Participation in FP7 SPACE
3. Cooperation with ESA (PECS)
1. Polish Space Sector (SWOT analysis)
Polish Space Sector - STRENGTHS

- several achievements of Polish companies (navigation, Earth observation) – big potential eg. PECS
- research potential of Polish research institutes (40 years of experience)
- one of the biggest markets in Europe (size and population of the country)
- very well developed ICT area
- high level of education in technical science (potential employees for space/GMES sector)
- competitive labour costs in comparison to EU15
Polish Space Sector - WEAKNESSES

- limited cooperation between Poland and ESA (only PECS programme)
- lack of national space programme
- lack of National Space Agency (coordination of SPACE/GMES related issues, promotion, national programme management)
- relatively weak contacts of PL companies with European ones e.g. very bad results of GMES SPACE Component Programme-EC-ESA Agreement)
- lack of involvement of big PL companies in space related issues
OPPORTUNITIES:
- increasing importance of SPACE/GMES in the EU policy
- increasing importance of SPACE/GMES for security and defence
- intensive increase of geoinformation market

THREATS:
- competition of large EU companies which are experienced with ESA
- “brain drain” risk (qualified and experienced employees will emigrate to work for EU large companies)
2. Participation in FP7 SPACE
EC financial contribution EU15/EU12 in SPACE

Theme

EC Financial contribution EU15 / EU12

Współczynnik sukcesu = otrzymane dofinansowanie / postulowane dofinansowanie
Participation of Polish institutions in 1st, 2nd and 3rd FP7 SPACE Calls

1. Centrum Badań Kosmicznych PAN (5)
2. Instytut Podstawowych Problemów Techniki PAN (2)
3. Państwowy Instytut Geologiczny (2)
4. Instytut Lotnictwa (2)
5. Instytut Geodezji i Kartografii w Warszawie (2)
6. Instytut Morski w Gdańsku
7. Instytut Geofizyki Polskiej Akademii Nauk
8. Uniwersytet im. Adama Mickiewicza w Poznaniu
9. Instytut Meteorologii i Gospodarki Wodnej
10. Instytut Niskich Temperatur i Badań Strukturalnych PAN
11. Uniwersytet Gdański
12. Instytut Ochrony Środowiska
13. Instytut Budownictwa Wodnego PAN
14. Satelitarne Centrum Operacji Regionalnych
15. Instytut Fizyki Jądrowej im. H. Niewodniczańskiego w Krakowie
16. Instytut Budownictwa Wodnego PAN
17. ASTRI Polska (2)
18. MIKROMA SA
19. Wasat Sp. z o.o.
20. TopGaN Sp. z.o.o.

EC contribution to the projects after three SPACE calls: ca. 4 mln € (29 partners in 22 projects)
3. Cooperation with ESA

(PECS - Plan for European Cooperating States)
PECS in POLAND (1)
(great potential of PL institutions and companies)

**PECS 1st Call – facts and figures**

47 proposals submitted to the Ministry of Economy
(20 led by commercial enterprises and 27 by R&D institutes)
Total applied financing: **EUR 43mln** (current PECS allocation:
**EUR 5 mln / 5 years** (increase in consideration)
39 proposals transferred to ESA

20 projects chosen by ESA for implementation (9 led by commercial enterprises
and 11 by R&D institutes)

19 projects in implementation – overall budget 5,8 mln EUR

High quality projects submitted.

Many projects proposed by consortia composed from enterprises and
scientific units
1. Space Research Centre PAS (5)
2. Polspace sp. z o.o. (3)
3. Warsaw University of Technology, Institute of Heat Engineering (2)
4. Institute of Geodesy and Cartography (2)
5. Institute of Aviation in Warsaw
6. University of Warmia and Mazury
7. GEOSYSTEMS Polska Sp. z o. o.
8. Polish Naval Academy
9. Transbit
10. Wroclaw University of Technology Faculty of Electronics
    Institute of Telecommunications, Teleinformatics and Acoustics
11. Techmex
12. Noma2
Thank you for your kind attention!

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