



The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)



Presentation to the 44th Session of the Scientific and Technical Subcommittee

16 February 2007

The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)

Sergio Camacho and David Stevens

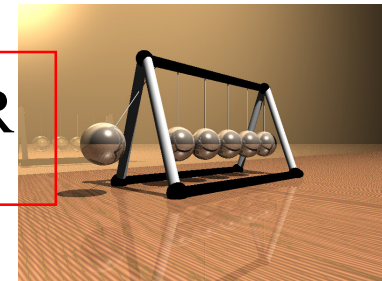
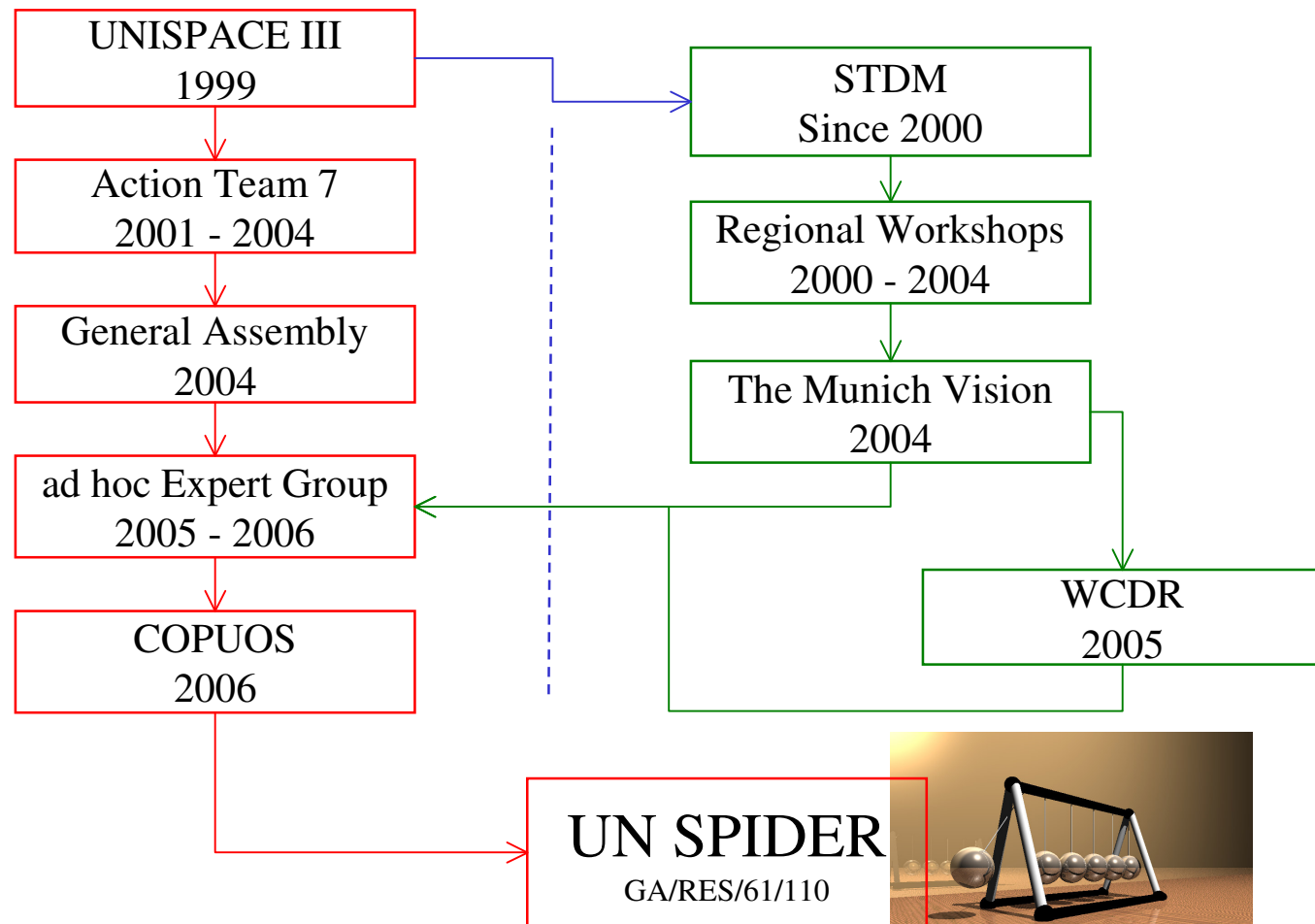
Vienna, Austria – 16 February 2007



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Long Journey



Vienna, Austria – 16 February 2007



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General Assembly A/RES/61/110

- Established as a programme of the Office for Outer Space Affairs under the Director of the Office as an open network of providers of disaster management support and that the Director of the Office would be responsible for the overall supervision of the programme.
- Mission statement: “Ensure that all countries have access to and develop the capacity to use all types of space-based information to support the full disaster management cycle”.



The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)



General Assembly A/RES/61/110

6. *Decides* to establish a programme within the United Nations to provide universal access to all countries and all relevant international and regional organizations to all types of space-based information and services relevant to disaster management to support the full disaster management cycle by being a gateway to space information for disaster management support, serving as a bridge to connect the disaster management and space communities and being a facilitator of capacity-building and institutional strengthening, in particular for developing countries;

15. *Also agrees* that the programme should be named the United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER), and that it should be implemented as a programme of the Office for Outer Space Affairs under the Director of the Office, as an open network of providers of disaster management support, and that the Director of the Office would be responsible for the overall supervision of the programme;



The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)



UNOOSA Programme

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United Nations Office at Vienna (UNOV)

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(CSRS)

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Programme Coordinator
[OOSA Staff (part-time)]

Programme Assistant
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The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)



General Assembly A/RES/61/110

7. *Agrees* that the programme would be supported through voluntary contributions and through a rearrangement of priorities within the framework of the United Nations reform process and, if necessary, a rearrangement of priorities of the Office for Outer Space Affairs of the Secretariat and that the additional activities would not, as far as possible, have a negative impact on the current programme activities of the Office and should not result in an increase in the total regular budget of the United Nations;

10. *Takes note with appreciation* of the commitments of support for the establishment of the programme made by Austria, China, Germany and India and the offers of support once it is established made by Algeria, Argentina, Italy, Morocco, Nigeria, Romania, the Russian Federation, Switzerland and Turkey;

Additionally Syrian A.R, and Indonesia



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UN SPIDER – Pledged/Committed Resources for 2007 – Up to 11 January 2007

- **Austria** – 50,000 EUR infrastructure; 100,000 EUR training and education; 1 expert and 1 JPO
- **China** – 3 experts and 2 personnel, Office Infrastructure, USD 180,000
- **Germany** – 150,000 EUR/year for 4 years; 2 experts, Office Infrastructure; 50,000 EUR Workshop
- **India** – USD 20,000;
- **Indonesia** – USD 20,000;
- **Algeria** – Make available an expert
- **Argentina** – Provide space-based information (SAC and SIASGE); Capacity building courses
- **Italy** – to be decided
- **Morocco** – Make infrastructure available to produce cartographic documents in the case of emergencies; contribution to awareness raising and capacity building; participation of CRTS experts
- **Nigeria** – Provide coordination to activities in Africa; Two experts based in Nigeria; access to Nigeria's space assets.
- **Romania** – Provide support to activities as needed (expertise and implementation)
- **Russian Federation** – to be decided
- **Switzerland** – Secondment of at least one expert; CHF 240000 as start credit for office equipment, IT and Communication Infrastructure and rent of location
- **Syrian A.R.** – support in general to activities
- **Turkey** – Will evaluate the possibility of contributing in cash or in kind

Vienna, Austria – 16 February 2007



The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)



General Assembly A/RES/61/110

8. *Endorses* the recommendation of the Committee on the Peaceful Uses of Outer Space that the programme have an office in Beijing and an office in Bonn, Germany, and that the activities of the programme be carried out within the proposed implementation framework presented to the Committee;

9. *Notes* that due consideration would be given to the possibility that the programme could have a liaison office in Geneva that would contribute to disseminating and integrating the work of the programme within the disaster reduction and humanitarian response communities;



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UN SPIDER Activities

A Gateway to Space-based Information for Disaster Management Support

1. Compilation of Information
2. Access to Information
3. Awareness Raising
4. Outreach Activities
5. Regional and Country Profiles

A Bridge to Connect the Disaster Management and Space Communities

1. Support to Communities of Practice (CoP)
2. Knowledge Management and Transfer
3. Platform for Fostering Alliances

A Facilitator of Capacity Building and Institutional Strengthening

1. Support to National Activities
2. Support to Establishing National Planning and Policies
3. Support to Capacity Building



The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)



General Assembly A/RES/61/110

11. *Agrees* that the programme should work closely with regional and national centres of expertise in the use of space technology in disaster management to form a network of regional support offices for implementing the activities of the programme in their respective regions in a coordinated manner and to take advantage of the important experience and capabilities being offered, and to be offered, by Member States, particularly by developing countries;

14. *Agrees* that the partners implementing the programme should endeavour to initiate activities in January 2007 or as soon as it is practicable, in order to enable the programme to begin providing support for disaster management at the earliest possible time;



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UN SPIDER – Networks

Network of Regional Support Offices - the programme should work closely with regional and national centres of expertise in the use of space technology in disaster management to form a **network of regional support offices** for implementing the activities of the programme in their respective regions in a coordinated manner and to take advantage of the important experience and capabilities being offered, and to be offered, by Member States, particularly by developing countries. This will ensure that regional and national centres of expertise have a strong role in their respective region.

National Focal Points – the National Institution that has been identified by its respective government to work with UN SPIDER in the establishment of National Disaster Management Planning and Policies and in the implementation of specific activities that incorporate space-based technology solutions to support disaster management.



The United Nations Platform for Space-based Information for Disaster Management and Emergency Response (SPIDER)



General Assembly A/RES/61/110

13. *Requests* the Office for Outer Space Affairs to develop a detailed workplan for the programme for 2007 and for the biennium 2008-2009 to be considered during the forty-fourth session of the Scientific and Technical Subcommittee of the Committee on the Peaceful Uses of Outer Space, taking into consideration the commitments received, and in consultation with the representatives of countries that have provided or would be providing commitments, as well as with the representatives of other countries that have indicated their interest in contributing to the development of the workplan;



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UN SPIDER – Activities 2007

- Development of a Proposed Platform Programme 2007 – 2009 based on the framework from the ad hoc Expert Group report (A/AC.105/873) and a Proposed Plan-of-Work 2007 based on the commitments received
- Working on setting up the Offices in Beijing and Bonn: Host country agreements, office arrangements and secondments of expertise from interested Member States
- Initial discussion of a framework for the setting up of a Liaison Office in Geneva, which will be presented to COPUOS

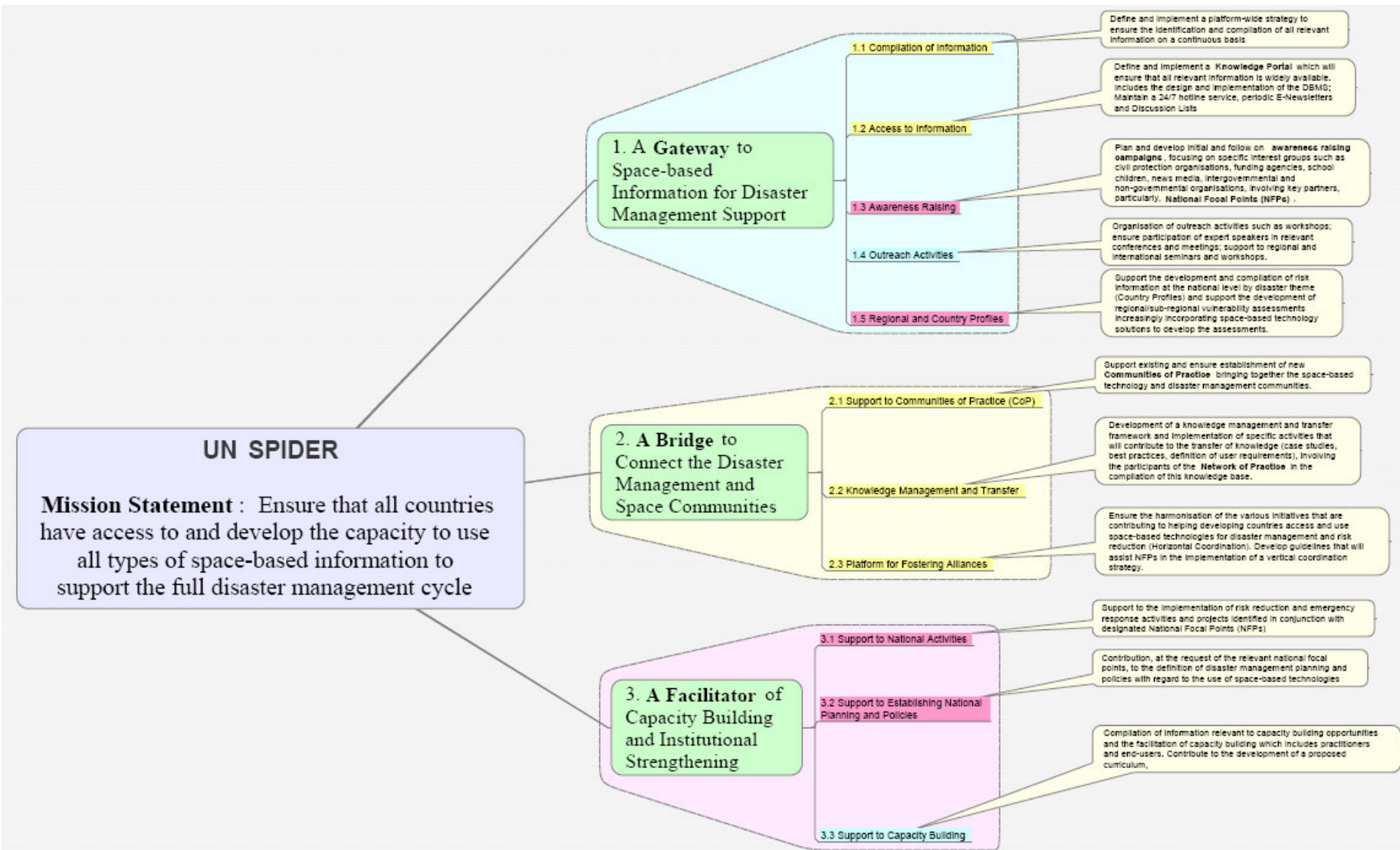
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UN SPIDER – Proposed Platform Programme 2007 - 2009

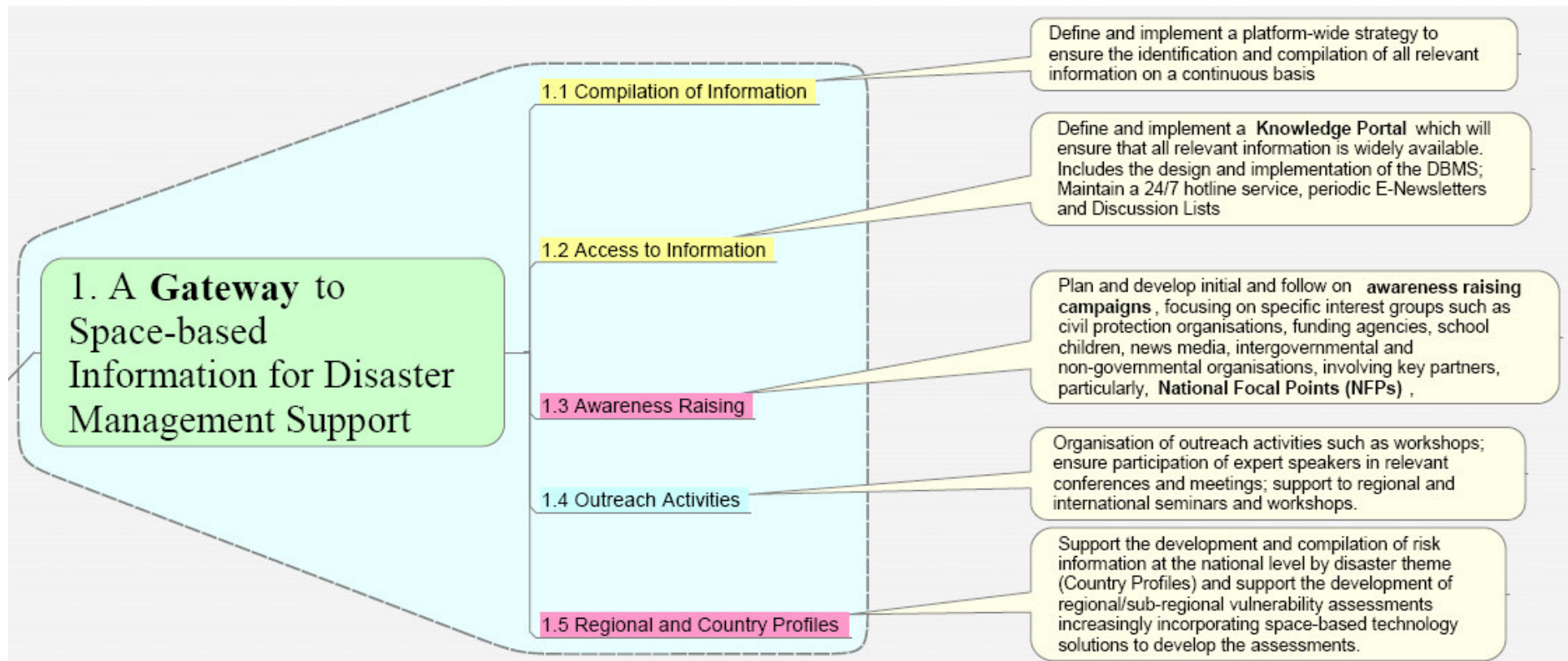




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Proposed Platform Programme 2007 – 2009 – A Gateway



Vienna, Austria – 16 February 2007



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UN SPIDER – Plan-of-Work 2007 – A Gateway

1. A Gateway

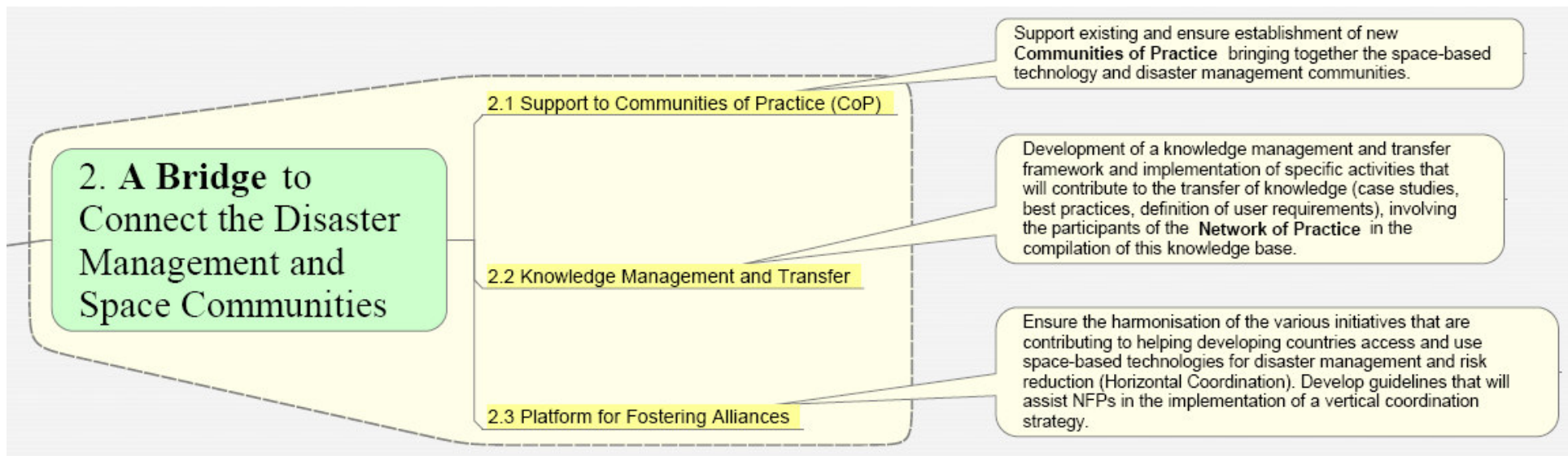
- Gather and make available relevant information
- Design the Knowledge Portal
- Awareness raising strategy and one campaign
- Outreach activities which will include up to 5 workshops, participation in conferences and support to relevant seminars and workshops
- Strategy of compilation of country profiles focusing on the contribution of space-based solutions.



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Proposed Platform Programme 2007 – 2009 – A Bridge





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UN SPIDER – Plan-of-Work 2007 (2) – A Bridge

2. A Bridge

- Strategy for and support to Communities of Practice
- Framework for Knowledge Management and Transfer
- Co-lead GEOSS Task CB-07-01f – Knowledge Sharing for Improved Disaster Management and Emergency Response
- Define a framework that will contribute to the coordination among relevant international and regional activities
- Participation in relevant forums: GEO, GMES, UN/ISDR, UNESCO, the International Charter Space and Major Disasters and other relevant activities
- Contribute to the coordination among UN initiatives
- Co-lead GEOSS Task DI-06-09 Use of Satellite for Risk Management

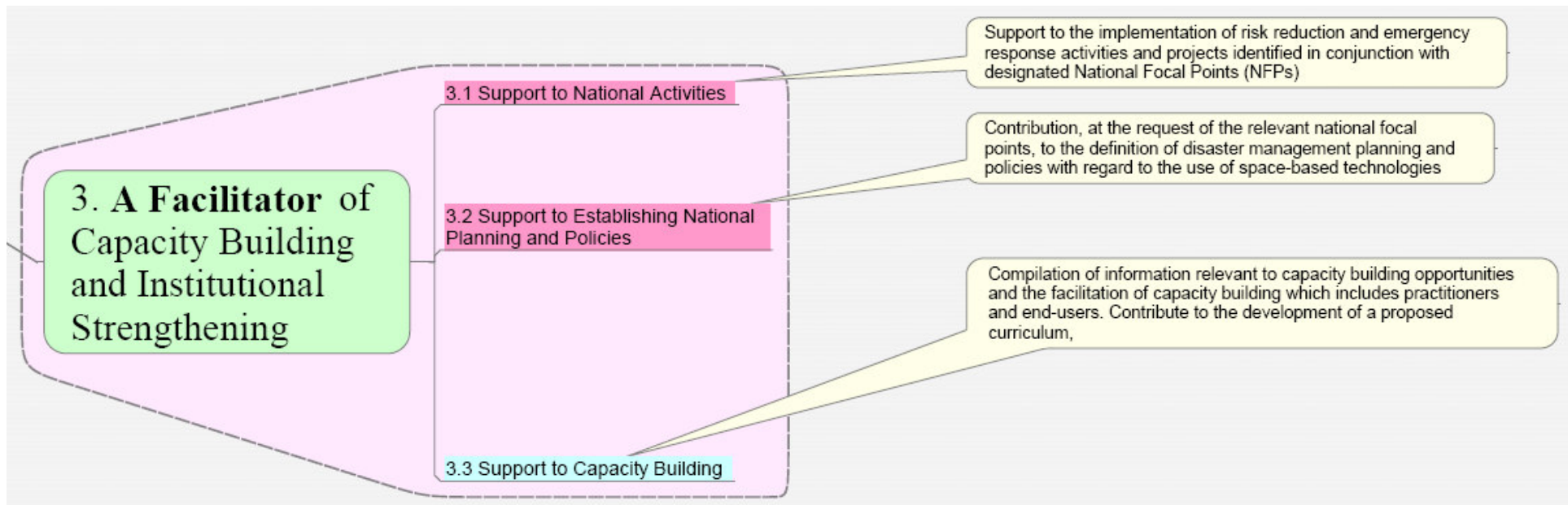
Vienna, Austria – 16 February 2007



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Proposed Platform Programme 2007 – 2009 – A Facilitator





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UN SPIDER – Plan-of-Work 2007 (3) – A Facilitator

3. A Facilitator

- Request to Member States to nominate National Focal Points (NFPs)
- Support to National Disaster Management Policies and Plans with regard to the use of space-based technologies and solutions
- Contribute to the definition of National Action Plans together with National Focal Points
- Develop a capacity building framework specific to the use of space-based technologies and solutions for disaster management and emergency response.
- This includes defining an e-learning environment



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UN SPIDER – Staffing Requirements 2007

	1. GATEWAY	2. BRIDGE	3.FACILITATOR
OOSA Vienna			
Senior Programme Officer *	1.4 Outreach Activities		3.3 Capacity Building
Associate Programme Officer *	1.4 Outreach Activities		3.3 Capacity Building
Team Assistant	1.4 Outreach Activities		3.3 Capacity Building
Beijing Office			
Senior Programme Officer *	1.3 Awareness Raising		3.1 National Activities 3.2 Planning and Policies
Programme Officer *	1.3 Awareness Raising		
Associate Programme Officer *	1.5 Country Profiles		3.1 National Activities 3.2 Planning and Policies
2 Team Assistants *	1.3 Awareness Raising 1.5 Country Profiles		
Bonn Office			
Senior Programme Officer *	1.1 Compilation of Information	2.1 Communities of Practice 2.3 Platform for Fostering Alliances	
Programme Officer *		2.1 Communities of Practice 2.3 Platform for Fostering Alliances	
Programme Officer	1.2 Dissemination of Information		
Associate Programme Officer	1.1 Compilation of Information	2.1 Communities of Practice	
Web Assistant	1.2 Dissemination of Information		



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UN SPIDER – Summary of Expected Expenditures 2007

Salary Costs (4 posts)	385,300
Data Processing and Office Automation Equipment	7,900
Fellowships and Grants (Sponsorship of participants from developing countries to attend UNSPIDER Workshops and relevant meetings)	162,000
Printing and Publications	50,000
Operating Expenses	81,000
Official Travel	94,800
Sub-Total	781,000
PSC (13%)	101,500
Total	882,500

The Programme has already received commitments from Austria, China, Germany, India, Indonesia and Switzerland totalling USD 720,000.

Additional contributions with regard to infrastructure also committed include the following:

China – Office space, fully furnished including computers, projector, copy machine and communication facilities, facility maintenance fee, and communication and office material cost.

Germany – Office space, including conference/training and meeting rooms, fully furnished including information and communication technologies.

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UN SPIDER – Next Steps

- Consideration by the Subcommittee of the Platform Programme 2007 – 2009 and the Plan-of-Work 2007
- Setting up of offices in Beijing and Bonn; Implementation of the planned activities for 2007
- Invite additional Member States to contribute (cash and in-kind contributions) to the 2007 Work Plan and also to indicate commitments for the 2008 – 2009 biennium
- Consolidate a Network of Regional Support Offices
- Develop a Plan-of-Work for the biennium 2008-2009, to be considered during the 50th session of COPUOS, which takes into consideration the commitments received for 2008-2009 and which builds upon the opportunities provided by the Network of Regional Support Offices. The framework and the work plan of the Liaison Office in Geneva should also be included in the Plan-of-Work 2008-2009.
- Prepare a report to be considered during the 45th session of the Scientific and Technical Subcommittee of COPUOS of the activities carried out by UN SPIDER in 2007.

Vienna, Austria – 16 February 2007



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THANK-YOU

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