

FOR PARTICIPANTS ONLY

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COMMITTEE ON THE PEACEFUL USES OF
OUTER SPACE

Scientific and Technical Subcommittee

Forty-fourth session

Vienna, 12 - 23 February 2007

Agenda item 10

Space-system-based disaster management support

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

**Presentation of the Proposed Platform Programme 2007 – 2009
and the Proposed Plan-of-Work 2007**

1. In its resolution A/RES/61/110 of 14 December 2006, “United Nations Platform for Space-based Information for Disaster Management and Emergency Response”, the General Assembly decided that this new programme should be 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. The General Assembly requested 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.

2. The Office for Outer Space Affairs has prepared and is presenting for consideration of the Scientific and Technical Subcommittee a “Proposed Platform Programme 2007 – 2009” and a “Proposed Plan-of-Work 2007”. In preparing the proposed programme for 2007-2009 the Office took into consideration the General Assembly’s endorsement of 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 (A/AC.105/873). In the preparation on the proposed plan-of-work for 2007 the Office took into consideration the commitments and indication of commitments received up to 11 January 2007 from Algeria, Argentina, Austria, China, Germany, India, Indonesia, Italy, Morocco, Nigeria, Romania, the Russian Federation, Switzerland, Syrian A.R. and Turkey.

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

Proposed Platform Programme 2007-2009 (16 February 2007)

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

1. A Gateway to Space-based Information for Disaster Management Support

Activity 1.1 - Systematic compilation of relevant information

Define and implement a platform-wide strategy to ensure the identification and compilation of all relevant information on a continuous basis, including on-going and planned initiatives, case studies and best practices, archived data for disaster studies and capacity building opportunities. This activity will be carried out in close coordination and integration with all other relevant activities.

Activity 1.1 Targets

Develop a strategy for identification of relevant information, including on-going and planned national, regional and international initiatives; case studies and best practices; available archived data for disaster studies and response; relevant outreach activities and capacity building opportunities; links to all relevant websites; links to the network of regional support offices.

The framework should list the sources of information and data, and also how such information will be acquired and with which frequency.

Define the concept model of the Knowledge Portal which will hold the gathered information (in close coordination with all other relevant activities)

Development of an operational framework for the dissemination of information (in close coordination with activity 1.2)

Integration of gathered information into the information database system via the **Knowledge Portal Content Management System** (KPCMS, see activity 1.2).

Acquisition of publications and books for use by Platform staff.

Activity 1.2 - Ensure relevant information is easily accessible and disseminated to all interested end-users on a 24/7 basis

Define and implement a **Knowledge Portal**, which will ensure that all relevant information is widely available. Includes the design and implementation of the Database Management System; Maintain a 24/7-hotline service; periodic E-Newsletters and Discussion Lists.

Activity 1.2 Targets

The information compiled in the previous activity will be included in a **Knowledge Portal (KP)** and will also be disseminated through e-newsletters and discussion lists. A hotline will be set-up to receive queries/requests for specific information beyond what is available through the Knowledge Portal.

The setting up of this **Knowledge Portal (KP)** requires the management and administration of a communication platform and IT infrastructure to support not only this activity but also all the IT

and communication needs of the Platform. Additionally, after implementation of each software package or addition of new components, the **Knowledge Portal** has to be configured, maintained and adapted continuously to provide a reliable service to all partners.

Technical concept phase: Develop a concept model for the design and implementation of the **KP**, including consideration for the involvement of consultants as a cost-effective option for development and implementation. This **KP** should also support the Awareness Raising activities, including an e-learning/training component for capacity building of National Focal Points.

Design: Design an appropriate information database system to hold the information gathered in activity 1.1; Study DBMS options and define the option to be implemented; Choose web application framework, including the **Knowledge Portal** Content Management System (KPCMS); Define hardware specifications for Knowledge Portal and DBMS; Develop a user interface for accessing the content of the information database system; Design information and communication functions for the portal: discussion boards, e-newsletters, RSS-type news feeds; Develop terms of reference for the parts of the system to be subcontracted.

Implementation: Acquisition of hardware; Implementation and test of components (see design phase) including beta testing as well as quality assurance and quality control; Management of external consultants as required.

Basic setup of Knowledge Portal: Set up of web servers, database servers, application servers; Installation, configuration and test of software including QA/QC; Integration and adaptation of additional components; Configuration of workflows; Communication with software solution developers

Definition of a plan for (concept development) and implementation of the 24/7-hotline service.

Maintenance: Integration of new content and data providers; management of users, and backup of data. Collection of further user requirements; Definition of additional portal components to provide new information components; Implementation of components; Management of external contractors and consultants

Training and Documentation: Training of content and data providers; Documentation of system

Activity 1.3 - Awareness raising

Plan and develop initial and follow on **awareness raising campaigns**, focusing on specific interest groups such as civil protection organisations, funding agencies, school children, news media, intergovernmental and non-governmental organisations, involving key partners, particularly, **National Focal Points (NFPs)** and the humanitarian and emergency response community, including the user community in Geneva.

Activity 1.3 Targets

Development of an awareness raising strategy, centred on awareness raising campaigns, which should include the identification of target groups, guidelines for preparation of campaign material, identification and guidelines for involving key partners, particularly National Focal Points (NFPs), and defining and establishing distribution networks.

Carry out the planned awareness raising campaigns as defined in the awareness raising strategy, with production of specific publications, displays and education materials, wide distribution of this campaign material, and recording of experience gained.

Integrate in the Knowledge Portal (Activity 1.2) specific information on Awareness Raising, including an e-learning/training component for capacity building of NFPs and a disaster-related education database.

Activity 1.4 - Outreach Activities

Organisation of outreach activities; ensure participation of expert speakers in relevant conferences and meetings; support to regional and international seminars and workshops. This activity will be closely coordinated with activity 1.3 – Awareness Raising.

Activity 1.4 Targets

Based on the strategies developed for activities 1.1 and 2.1 and in close coordination with all activities of the programme, develop a framework and implementation plan for outreach activities, which should include 1) the organisation of outreach and awareness building workshops and training courses in all regions and also with the humanitarian community, including the user community in Geneva; 2) participation in relevant international policy-making and technical conferences, meetings and workshops through the provision of speakers and awareness raising materials; 3) support the participation of disaster management practitioners in regional technical and international seminars and workshops organized by UN SPIDER or others. 4. The framework should also highlight the need to channel recommendations and feedback from the participants of these activities to the work of UN SPIDER, in particular to the strategies developed under activities 1.1 and 2.1.

The following workshops will form the core of UN SPIDER's annual effort in the area of outreach: United Nations SPIDER International Workshops focusing on bringing together experts and practitioners that will lead to enhancing horizontal coordination and United Nations SPIDER Regional Workshops, focusing on specific thematic issues, specific UN SPIDER issues and also on strengthening vertical coordination.

Activity 1.5 - Regional and country profiles

Support the development and compilation of risk information at the national level by disaster theme (Country Profiles) and support the development of regional/sub-regional vulnerability assessments increasingly incorporating space-based technology solutions to develop the assessments.

As part of Activity 3.1 support, to the extent possible, National Focal Points (NFPs) in the development of national vulnerability assessments.

This activity will be carried out in close coordination with the work carried out by UN/ISDR and by the UNDP Country Offices.

Activity 1.5 Targets

Define and implement a strategy that will contribute to the development and compilation of risk information at the national level by disaster theme (Country Profiles) and that will support the development of regional/sub-regional vulnerability assessments increasingly incorporating space-based technology solutions to develop the assessments. This strategy should take into consideration the need to work together with National Focal Points (NFPs) in the development of national vulnerability assessments. The development of country profiles will be based on a grid network methodology according to disaster themes and the geographic vulnerability distribution of disasters.

Develop contact database – Define, develop and implement a contact database which will centralise and make available all contact information for the Network of Practice and the Network of Regional Support Offices. This contact database will be available to all staff of the Platform, and should include follow-up tracking capabilities.

Network of Practice – this Network will include end users and practitioners identified as relevant to the objectives of UN SPIDER interested in working together in the implementation of activities.

With their consent, the contact information of those end users and practitioners will be made available through the Knowledge Portal.

Network of Regional Support Offices – this Network will include all institutions that have agreed to form a **Network of Regional Support Offices** contributing to UN SPIDER activities by providing financial contributions, human resources, satellite data, regional capacity building and other in-kind contributions.

2. A Bridge to Connect the Disaster Management and Space Communities

Activity 2.1 - Establishment of Communities of Practice (CoP)

Support existing and contribute to the establishment of new Communities of Practice bringing together the space-based technology and disaster management communities.

This activity will also build upon the work being carried out by GEO in the implementation of the GEOSS 10-year work plan.

Activity 2.1 Targets

Compile and maintain an inventory of existing and planned **Communities of Practice (CoPs)** that potentially bring together the space-based technology and disaster management communities.

Develop and implement a Concept Document defining a Platform Strategy that will support the consolidation and/or establishment of CoPs. The strategy should also define the support that should be provided to these CoPs and also include guidelines for supporting national Communities of Practice by relevant national organisations.

Activity 2.2 - Knowledge management and transfer

Development of a knowledge management and transfer framework and implementation of specific activities that will contribute to the transfer of knowledge (case studies, best practices, definition of user requirements), involving the participants of the established Network of Practice in the compilation of this knowledge base.

Activity 2.2 Targets

Development of a knowledge management and transfer framework and implementation of specific activities that will contribute to the transfer of knowledge (case studies, best practices, definition of user requirements). This framework should focus on identifying and bringing together knowledge, practical know-how, expertise and best practices, focusing on capturing and making such knowledge assets available for transfer to all end-users. This development of a knowledge base will also include the refinement of user requirements and definition of best practices (Knowledge management and transfer will be carried out together with the compilation of the information database and should involve the established Network of Practice and include the established CoPs).

Activities could include the identification and implementation of projects through the National Focal Points (NFPs) in activity 3.1 together with the Network of Regional Support Offices and other relevant partners and projects such as DLR/ZKI, RESPOND and UNOSAT. This activity should include also the development of a knowledge management and transfer framework that will support the needs of the humanitarian and emergency response community, including the user community in Geneva.

This activity includes the publication in hardcopy of case studies and best practices for distribution to developing countries.

Activity 2.3 - Platform for fostering alliances

Ensure the harmonisation of the various initiatives that are contributing to helping developing countries access and use space-based technologies for disaster management and risk reduction (Horizontal Coordination). Develop guidelines that will assist National Focal Points in the implementation of a vertical coordination strategy.

Ensure UN SPIDER participation in relevant forums and coordination with relevant programmes, including GEO, GMES, UN/ISDR (PPEW Advisory Group, the Global Platform of Disaster Risk Reduction and the implementation Hyogo Framework of Action), UNESCO, the International Charter Space and Major Disasters and other relevant activities.

Activity 2.3 Targets

UN SPIDER will contribute to the coordination efforts by ensuring the harmonisation of initiatives that are contributing to help developing countries access and use space-based technologies for disaster management and risk reduction: this would be the Horizontal Coordination. UN SPIDER will work together with and contribute to existing and future international and regional initiatives, contributing directly to the implementation of such initiatives, including contributing to enhance coordination among all UN initiatives that are working with humanitarian and emergency response, as well as with risk reduction and disaster management.

In order to take advantage of these existing initiatives national institutions have to work in a coordinated manner. This would be the Vertical Coordination. UN SPIDER will define and disseminate a vertical coordination framework guideline which could be followed by national focal points and other interested national institutions (as part of activity 3.1) and which will contribute to the coordination and interaction among relevant national authorities, scientific institutions, organizations implementing and/or providing space-based solutions, humanitarian, environmental and civil protection actors and the space community, thus contributing to building synergies and contributing to avoiding duplication of activities and efforts.

Define and implement an horizontal coordination framework. Identification of relevant international and regional initiatives to work together to ensure coordination of activities. Invite these initiatives to participate and present at the annual international workshop.

Define and implement a coordination framework with all UN initiatives. Propose a coordination framework with the EU and other relevant international initiatives. Promote an annual meeting of the UN agencies, EU initiatives and other relevant international initiatives.

Bring together information on end user needs as a contribution to GEOSS and as an input to the implementation of a Virtual Constellation for disaster management.

3. A Facilitator of Capacity Building and Institutional Strengthening

Activity 3.1 - Support to National Activities

Support to the implementation of risk reduction and emergency response activities and projects identified in conjunction with designated National Focal Points (NFPs).

Activity 3.1 Targets

Work with Member States to ensure the nomination of National Focal Points (NFPs). Maintain a list of nominated National Focal Points (NFPs). Integrate this list in the contact database.

Carry out technical advisory missions to meet with National Focal Points and other relevant institutions. Training needs and institutional strengthening should also be discussed as part of these technical advisory missions.

Contribute to the definition of National Action Plans together with NFPs, in coordination with the National Platforms for Disaster Reduction.

Assist National Focal Points in the implementation of a vertical coordination strategy.

Activity 3.2 - Support to the establishment of National Disaster Management Planning and Policies

Contribution, at the request of the relevant national focal points, to the definition of disaster management planning and policies with regard to the use of space-based technologies.

Activity 3.2 Targets

Contribute, at the request of the relevant national focal points, to the definition of disaster management planning and policies with regard to the use of space-based technologies, contributing also to linking risk assessment to economic development strategies for poverty alleviation. This activity will be carried out in close coordination with UN/ISDR and other actors in the implementation of the Hyogo Framework of Action.

Compilation of relevant national disaster management plans that build upon space-based technology solutions.

Compilation of examples of national disaster management policies that include the use of space-based technology solutions

Development of templates of national disaster management plans and policies, that include consideration for the incorporation of space-based technologies to be used as guidelines by countries developing such frameworks. Support to countries in the development of such plans and policies, specifically regarding the incorporation of space-based technology solutions and in coordination with UN/ISDR

Carry out technical advisory missions to these countries and contribute to the development of the National Disaster Management Planning and Policies.

Promote the vertical coordination strategy guideline developed for Activity 2.3

Activity 3.3 - Support to Capacity Building

Capacity-building and the strengthening of institutional arrangements at all levels is key to increasing the ability of organizations and individuals to effectively use space based services for disaster preparedness, response and recovery. Activities will include compilation of information relevant to capacity building opportunities and the facilitation of capacity building which includes practitioners and end-users.

This activity will contribute to the development of a proposed curriculum, working with the established regional centres for space science and technology education, affiliated to the United Nations, as well as other national and regional centres of excellence in the training of the end users and in the strengthening of national institutions.

Activity 3.3. Targets

Develop a capacity building framework specific to disaster management activities. The framework should include an e-learning environment to be implemented and maintained by one or more partners of the Network of Regional Support Offices.

Develop a database of training opportunities for use of space-based solutions in disaster management.

Development of curricula for the use of space-based solutions for the use of space-based solutions for disaster management and emergency response.

Promote the realisation of short and long-term training in the centres of excellence, including training that will benefit the humanitarian and emergency response community, including the user community in Geneva.

UN SPIDER

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

1. A Gateway to Space-based Information for Disaster Management Support

1.1 Compilation of Information

Define and implement a platform-wide strategy to ensure the identification and compilation of all relevant information on a continuous basis

1.2 Access to Information

Define and implement a **Knowledge Portal** which will ensure that all relevant information is widely available. Includes the design and implementation of: News DBMS; Monthly 24/7 helpline service; Periodic E-Newsletters and Discussion Lists

1.3 Awareness Raising

Plan and develop initial and follow on **awareness raising campaigns**, focusing on specific interest groups such as civil protection organisations, funding agencies, school children, news media, intergovernmental and non-governmental organisations, involving key partners, particularly, **National Focal Points (NFPs)**.

1.4 Outreach Activities

Organisation of outreach activities such as workshops; ensure participation of expert speakers in relevant conferences and meetings; support to regional and international seminars and workshops.

1.5 Regional and Country Profiles

Support the development and compilation of risk information at the national level by disaster theme (Country Profiles) and support the development of regional/sub-regional vulnerability assessments increasingly incorporating space-based technology solutions to develop the assessments.

2. A Bridge to Connect the Disaster Management and Space Communities

2.1 Support to Communities of Practice (CoP)

Support existing and ensure establishment of new **Communities of Practice** bringing together the space-based technology and disaster management communities.

2.2 Knowledge Management and Transfer

Development of a knowledge management and transfer framework and implementation of specific activities that will contribute to the transfer of knowledge (case studies, best practices, definition of user requirements) involving the participants of the **Network of Practice** in the completion of this knowledge base.

2.3 Platform for Fostering Alliances

Ensure the harmonisation of the various initiatives that are contributing to helping developing countries access and use space-based technologies for disaster management and risk reduction (Horizontal Coordination). Develop guidelines that will assist NFPs in the implementation of a vertical coordination strategy.

3. A Facilitator of Capacity Building and Institutional Strengthening

3.1 Support to National Activities

Support to the implementation of risk reduction and emergency response activities and projects identified in conjunction with designated National Focal Points (NFPs)

3.2 Support to Establishing National Planning and Policies

Contribution, at the request of the relevant national focal points, to the definition of disaster management planning and policies with regard to the use of space-based technologies

3.3 Support to Capacity Building

Compilation of information relevant to capacity building opportunities and the facilitation of capacity building which includes practitioners and end-users. Contribute to the development of a proposed curriculum.

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

Proposed Plan-of-Work 2007 (16 February 2007)

The following activities are being proposed to be carried out in 2007. These activities are based on the Platform Programme for 2007-2009

Annex 1 presents a summary of the resources needed and a proposed budget (voluntary and in-kind contributions) to carry out this proposed work plan. The Annex also summarises the pledges received and the additional contributions still required.

In addition to the core contributions committed by Austria, China and Germany, UN SPIDER will use and take advantage of the cash and in-kind contributions put forward by Algeria, Argentina, India, Indonesia, Italy, Morocco, Nigeria, Romania, Russian Federation, Switzerland, Syrian A.R. and Turkey as well as by any other Member State that offers to provide support.

1. A Gateway to Space-based Information for Disaster Management Support

Activity 1.1 - Systematic compilation of relevant information

Define and implement a platform-wide strategy to ensure the identification and compilation of all relevant information on a continuous basis, including on-going and planned initiatives, case studies and best practices, archived data for disaster studies and capacity building opportunities. This activity will be carried out in close coordination and integration with all other relevant activities.

Activities to be carried out in 2007 -

- Develop a strategy for identification and compilation of relevant information.
- Define the concept model of the Knowledge Portal (Activity 1.2)
- Relevant information gathered by staff to be included in the Platform web page and distributed through periodic e-newsletters and RSS feeds (Activity 1.2).
- Publications and books acquired, to the extent possible, using currently available funds.

Activity 1.2 - Ensure relevant information is easily accessible and disseminated to all interested end-users on a 24/7 basis

Define and implement a **Knowledge Portal**, which will ensure that all relevant information is widely available. Includes the design and implementation of the Database Management System; Maintain a 24/7-hotline service; periodic E-Newsletters and Discussion Lists.

Activities to be carried out in 2007 -

Detail the concept model, and specifications and also develop the implementation plan (including maintenance plan) for the **Knowledge Portal** Concept Management System (Technical concept phase).

- In 2007 the Platform will set-up a webpage as a first activity to ensure that relevant information is made available. When the **Knowledge Portal** is developed and implemented it will take over the functions of this webpage. Carry out maintenance of IT and communication infrastructure.
- Develop a demonstrator of the Knowledge Portal.

- Publishing of periodic e-newsletters;
- Promotion of e-based information including RSS feeds.
- Define a plan (concept development) for a 24/7-hotline service to be implemented in 2008.

Activity 1.3 - Awareness raising

Plan and develop initial and follow on **awareness raising campaigns**, focusing on specific interest groups such as civil protection organisations, funding agencies, school children, news media, intergovernmental and non-governmental organisations, involving key partners, particularly, **National Focal Points (NFPs)** and the humanitarian and emergency response community, including the user community in Geneva.

Activities to be carried out in 2007 –

- Development of an awareness raising strategy.
- Organize a workshop on Awareness Raising for NFPs. This forum will demonstrate prototypes of awareness raising material to be prepared, printed and distributed (publications, displays and education materials), discuss orientation of materials for different societies and the concept for remote education via a web site.
- Begin in 2007 one awareness raising campaign. Includes production of specific publications, displays and education materials, wide distribution of this campaign material, and recording of experience gained.
- Contribution to the definition of the Knowledge Portal (Activity 1.2) by identifying the specific needs of the area of awareness raising.

Activity 1.4 - Outreach Activities

Organisation of outreach activities; ensure participation of expert speakers in relevant conferences and meetings; support to regional and international seminars and workshops. This activity will be closely coordinated with activity 1.3 – Awareness Raising.

Activities to be carried out in 2007 -

- Based on the platform-wide strategies developed under activities 1.1 and 2.1 and in close coordination with these activities, develop a framework and implementation plan for outreach activities.
- Ensure participation of expert speakers in at least 5 relevant conferences and meetings promoting UN SPIDER activities.
- Provide support to at least 3 regional and international seminars and workshops in the form of travel support for participants from developing countries.
- Organisation of up to five workshops in 2007.

Activity 1.5 - Regional and country profiles

Support the development and compilation of risk information at the national level by disaster theme (Country Profiles) and support the development of regional/sub-regional vulnerability assessments increasingly incorporating space-based technology solutions to develop the assessments.

Activities to be carried out in 2007 -

- Development of the strategy for the compilation of Country Profiles and regional/sub-regional vulnerability assessments. With the finalisation of the strategy, the target for 2007 is to work with two National Focal Points in the compilation of risk information by disaster theme for the preparation of country profiles, with a focus on the incorporation and use of space-based technologies.
- Contribute to the promotion of the development of regional and sub-regional vulnerability assessments using space-based solutions.
- Develop the database which should include contact information for the National Focal Points, Network of Practice and the Network of Regional Support Offices.

2. A Bridge to Connect the Disaster Management and Space Communities

Activity 2.1 - Establishment of Communities of Practice (CoP)

Support existing and contribute to the establishment of new Communities of Practice bringing together the space-based technology and disaster management communities.

Activities to be carried out in 2007 -

- Develop a Concept Document defining a Platform Strategy that will support the consolidation and/or establishment of CoPs. The strategy should also define the support that should be provided to these CoPs and also include guidelines for supporting national Communities of Practice by relevant national organisations.
- Develop an inventory of existing and planned CoPs.
- Provide support to existing CoPs as determined in the Concept Document.

Activity 2.2 - Knowledge management and transfer

Development of a knowledge management and transfer framework and implementation of specific activities that will contribute to the transfer of knowledge (case studies, best practices, definition of user requirements), involving the participants of the established Network of Practice in the compilation of this knowledge base.

Activities to be carried out in 2007 -

- Development of a knowledge management and transfer framework.
- Co-lead GEOSS Task CB-07-01f – Knowledge Sharing for Improved Disaster Management and Emergency Response

Activity 2.3 - Platform for fostering alliances

Ensure the harmonisation of the various initiatives that are contributing to helping developing countries access and use space-based technologies for disaster management and risk reduction (Horizontal Coordination). Develop guidelines that will assist National Focal Points in the implementation of a vertical coordination strategy.

Activities to be carried out in 2007 -

- Define and disseminate a vertical coordination framework guideline to be followed by national focal points.
- Define and implement a horizontal coordination framework. Identification of relevant international and regional initiatives to work together to ensure coordination of activities. Invite these initiatives to participate and present at the annual international workshop.
- Ensure UN SPIDER participation in relevant forums and coordination with relevant programmes, including GEO, GMES, UN/ISDR (PPEW Advisory Group, the Global Platform of Disaster Risk Reduction and the implementation Hyogo Framework of Action), UNESCO, the International Charter Space and Major Disasters and other relevant activities.
- Define and implement a coordination framework with all UN initiatives.
- Propose a coordination framework with the EU and other relevant international initiatives. Promote a meeting of the UN agencies, EU initiatives and other relevant international initiatives.
- Take a co-lead in GEOSS Task DI-06-09 Use of Satellite for Risk Management.

3. A Facilitator of Capacity Building and Institutional Strengthening

Activity 3.1 - Support to National Activities

Support to the implementation of risk reduction and emergency response activities and projects identified in conjunction with designated National Focal Points (NFPs).

Activities to be carried out in 2007 -

- Request to Member States the nomination of National Focal Points (NFPs) and update the list of National Focal Points (integrate this contact information into the database)
- Contribute to the definition of National Action Plans together with NFPs, in coordination with the National Platforms for Disaster Risk Reduction – 2 countries in 2007 (pilot cases). Help NFPs identify possible partners that could contribute to the implementation of specific activities/actions defined in the National Action Plans.
- Assist National Focal Points in the implementation of a vertical coordination strategy

Activity 3.2 - Support to the establishment of National Disaster Management Planning and Policies

Contribution, at the request of the relevant national focal points, to the definition of disaster management planning and policies with regard to the use of space-based technologies.

Activities to be carried out in 2007 –

- Definition of guidelines that will focus on space-based technology solutions to contribute to national disaster management plans and policies by countries developing such frameworks. Support to 2 countries in the development of such plans and policies.
- Carry out technical advisory missions to these countries and contribute to the development of National Disaster Management Planning and Policies – 2 missions in 2007.

Activity 3.3 - Support to Capacity Building

Capacity-building and the strengthening of institutional arrangements at all levels is key to increasing the ability of organizations and individuals to effectively use space based services for disaster preparedness, response and recovery. Activities will include compilation of information relevant to capacity building opportunities and the facilitation of capacity building which includes practitioners and end-users. Contribute to the development of a proposed curriculum, working with the established regional centres for space science and technology education, affiliated to the United Nations, as well as other national and regional centres of excellence in the training of the end users and in the strengthening of national institutions.

Activities to be carried out in 2007 -

- Develop a capacity building framework specific to disaster management activities.
- Develop a database of training opportunities for use of space-based solutions in disaster management.
- Identify possible partners to contribute to the development of curricula for the use of space-based solutions for disaster management and emergency response.
- Conceptualise an e-learning environment considering existing facilities within the UN and elsewhere.

ANNEX 1

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

Resources needed to carry out the proposed activities of the 2007 Work Plan

1. Staffing Requirements for 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 | | |

Staff will be provided by Member States that have committed expert staff to the Programme (marked above with *). There is an additional need for offers of support for 4 posts (1 Programme Officer, 1 Associate Programme Officer, 1 Web Assistant and 1 Team Assistant).

Additionally, OOSA has provided staff (two on a temporary and part-time basis) to provide support to the Director in the overall supervision of the implementation of the Programme. This was made possible due to a temporary rearrangement of priorities of the Office for Outer Space Affairs.

2. Summary of Expected Expenditures (USD) for 2007 (to be covered by voluntary cash and in-kind contributions)

| | |
|---|----------------------|
| 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. It is expected that additional pledges will be received from other supporting Member States.

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.