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Zagreb, February 19, 2019

19th PEG GIS Meeting Report

Zagreb, February 18-19, 2019

Venue: Secretariat of ISRBC, Kneza Branimira 29, 10000 Zagreb, Republic of Croatia

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I. ATTENDANCE

The PEG members from Bosnia and Herzegovina, Croatia, Serbia and Slovenia, as well as an expert from Serbia attended the meeting. The meeting was also attended by representative of the ICPDR Secretariat.

The list of participants is annexed to this report.

II. CHAIRMANSHIP

Mirza Sarač, Chairman of the PEG GIS, chaired the meeting.

III. ADOPTED AGENDA

1. Opening of the meeting

- Welcome and opening remarks
- Adoption of the agenda

2. Overview of the activities between the two meetings

- Presentation on the ISRBC activities
- Short statements/presentations on the relevant activities in the Parties
- Tasks and duties regarding conclusions from the previous PEG meetings

3. Sava GIS

- Current status
- Further developments
- Proposal of the data identifiers

4. Sava GIS Data Policy

- Introduction
- Draft document review

5. Data and metadata collection

- Overview of the current status
- 2nd Sava RBMP related data (joint session with PEG RBM)

6. Sava FFWS

- Archive/Web Server current status

7. External projects and activities

- Sustainable Historic Environments hoListic reconstruction through Technological Enhancement and community based Resilience - SHELTER

8. Work plan

- Proposal of Work Plan for FY 2019

9. Other issues

IV. MINUTES OF THE MEETING

AD 1. OPENING OF THE MEETING

Welcome and opening remarks

M. Sarač opened the meeting and welcomed the PEG GIS members, representatives from Serbia and ICPDR. He also provided the information on certain logistical issues.

M. Sarač also introduced and welcomed the new PEG GIS member from Serbia.

Adoption of the Agenda

PEG GIS adopted the agenda of the 19th PEG GIS meeting (*Ad.1_PEG GIS 19^h_meeting_Adopted Agenda*, Doc. Ref. No.: 3-18-19/2-2).

AD 2. OVERVIEW OF THE ACTIVITIES BETWEEN THE TWO MEETINGS

Presentation on the ISRBC activities

Dragan Zeljko, the Secretary informed the PEG GIS members on the most important activities and events since the last 18th PEG GIS meeting held in July 2018, as well as on the upcoming meetings and events. D. Zeljko also pointed out priorities for the forthcoming period emphasizing the following actions which are related to the PEG GIS work:

- Preparation of the 2nd Sava RBM Plan (with the PEG GIS assistance in data gathering)
- Securing a proper functioning and maintenance of the Sava GIS and Sava HIS as well as their further upgrade in line with all other objectives and areas of cooperation of the FASRB (PEG GIS activity)
- Finalization and adoption of the Sava GIS data access procedures (PEG GIS activity)
- Securing post-project functioning of Sava FFWS, including the archive and data servers in the Secretariat (with the PEG GIS assistance in expert issues)
- Preparation of the new Strategy on implementation of the FASRB (with the PEG GIS assistance in expert issues).

More information can be found in presentation (*Ad.2_Presentation on ISRBC activities_PEG GIS 19*).

Short statements/presentations on the relevant activities in the Parties

Slovenia

Maja Kregar informed PEG about the activities in development of the national website of the Slovenian Water Agency: <http://www.evode.gov.si> which contains all relevant data and information related to the water management including the Water Cadastral and the Atlas portal. She stressed the ongoing activities on integration of module for data related to the water-bearing ground.

M. Kregar pointed out that process of development of the 3rd national RBM Plan is ongoing, including data collection and analysis, within which a new delineation is in progress (rivers with catchment larger than 10 km²).

Croatia

Tijana Rosandić and Sandra Šturlan Popović informed the PEG about the activities in development of the new internal Geoportal with implementation of the modular concept in line with the activities of the water management in Croatia, and pointed out that a public web-application is also planned.

Within the process of the 3rd national RBM Plan development data analysis and systematization is ongoing what will be basis for the reporting to the Water Information System for Europe (WISE) and to the partnership network of the European Environment Agency (EIONET).

Bosnia and Herzegovina

Hajrudin Mičivoda informed the PEG GIS that the 1st national RBM Plan for the Sava River basin was adopted and that all related data are now available for sharing. He pointed out a process of implementation of continuous activities on use and improvements of very successful water information system in Bosnia and Herzegovina with engagement of all three responsible organizations.

Specific improvements, with respect to the responsibility area, are being performed by the organizations directly (e.g. development of a central system for reporting on the Water Management Strategy for one administrative unit is ongoing).

The EC project for development of flood hazard and risk maps on the country level is currently used for redesign of the FRM database. For this purpose, the new Sava GIS FRM database is in use.

H. Mičivoda also emphasized the ongoing implementation Program of Measures of the 1st national RBM Plan for the Sava River basin, which would be used for further improvements of the water information system as well, while the water management sector is involved in the process of the INSPIRE directive transposition into the national legislation.

Serbia

Aleksandar Milićević and Milan Njegomir jointly informed the PEG GIS about the activities in development of the internal water management system on the country level, noting that both administrative units currently have own Geoportal for water management issues.

They stressed that development of the 1st national RBM Plan at the river basin districts scale (rivers with catchment area larger than 10 km²) is ongoing within a twinning project which will be used for the GIS data collection. Within the project for development of the 1st national FRM Plan development of the FRM database is ongoing. For this purpose, the new Sava GIS FRM database is in use.

ICPDR activities

Zoran Major, representative of the ICPDR Secretariat briefly informed the PEG of previous and recent developments of Danube GIS.

He stressed that preparatory activities for development of the 3rd Danube RBM Plan and the 2nd Danube FRM Plan are ongoing, with a plan to be finalized in 2021 (in line with the EC WFD and FD deadlines). With respect to the 3rd Danube RBM Plan, Z. Major stressed that the data needs analysis is ongoing as well as update of the templates for data collection, noting the new templates (for economic, hymo and groundwater issues), while the MONERIS model will be used for the nutrients analysis again, but with a more clear definition of inputs data than previously. He emphasized that the start of data collection cycle should be expected by the end of year.

For the purpose of the 2nd Danube FRM Plan, an update of the Danube PFRA report is ongoing including the collection of national data and information on PFRA as well as FHR maps using the respective templates.

Z. Major also informed the PEG that the metadata editor (in accordance with INSPIRE) is already developed and will be finalized and available by the end of April, 2019.

He announced that the next ICPDR IM GIS meeting will be held on May 9-10, 2019 in Bratislava, Slovakia.

Tasks and duties regarding conclusions from the previous PEG meetings

M. Sarač briefly presented an overview of the tasks and duties regarding conclusions from the previous PEG meetings. It was stressed that the previously agreed and remaining tasks and duties should be implemented in accordance with the following conclusions and deadlines:

- PEG GIS members will review and check the data in the central RBMP SavaGIS database used for the 2nd SRBA and import available missing attribute data for which the spatial data are already uploaded by March 22, 2019
- PEG GIS members from Slovenia and Bosnia and Herzegovina (RoS) will review, check and edit metadata in the SavaGIS Metadata Catalogue imported by the Secretariat using the metadata from Danube GIS by April 26, 2019.

AD 3. SAVA GIS

Current status

M. Sarač informed the PEG that the Sava Geoportal, along with the related SavaGIS central database and the connecting web-applications, is fully operational.

He pointed out that the Sava Geoportal and the central database are successfully upgraded within the WBIF project component: *Development of Flood Risk Management Plan for the Sava River Basin* and its activity: *Designing the FRMP database and implementation into SavaGIS*, within the following was accomplished:

- content upgrade for the Sava GIS FRM database and the related Geoportal
- functional tool for checking and loading of the data in Sava GIS database based on File geodatabase template and from WFS service
- technical documentation, installation and configuration documentation, testing documentation with use cases, user manual for registered users and administrator.

It was emphasized that this activity of the project, which was closely coordinated by the PEG GIS, was completed according to the expectations and that the PEG FP approved deliverables of this project activity on its 39th meeting held on February 07-08, 2019.

M. Sarač demonstrated the new layers and improved functionalities of the Sava GIS Geoportal.

Regular statistics overview of use of the Geoportal and related web applications was presented as well.

Further developments

M. Sarač briefly informed that Sava HIS was successfully upgraded with several new functionalities, with support of the Sava FFWS project, given that Sava HIS got a very important role and became the data hub of real-time data collection in the Sava FFWS system. Parallel to this upgrade, a replica of Sava HIS which will collect the observed data for the Sava FFWS purposes directly within the primary hosting server has also been prepared and installed. He emphasized that during the development of Sava FFWS the needs for increase in the number of hydrological and meteorological stations and the time resolution of HM parameters were identified and performed. In this regard the annexes of the HM Data Policy will be upgraded within the work of PEG HMI.

Duško Isaković, the PEG GIS deputy chairman informed the PEG that activities on integration of the existing navigation related applications within the SavaGIS platform were successfully finalized. Following the finalization of those activities it was noted not all data sheets of the application for the waterway marking were filled in. Missing data are related to the coordinates of the bank marks and floating signs (mainly WGS-84 coordinates, while less often Gauss-Krueger coordinates), as well as the Cadastral data and Real estate sheets. So, the respective database table was sent to the relevant authorities for the full filling of the missing data, since the data would be used for the development of the Navigation Module within the Sava GIS, therefore spatial data of the existing signs are necessary. Activities for the ultimate goal i.e. incorporating the data related to navigation in SavaGIS Geoportal, by establishing the navigation module, are still pending for the financial support. Once the activity is fully finalized all other documents related to the navigation, such as the indicator of river kilometres and the album of bridges, will be easily implemented.

M. Sarač informed the PEG on activities related to design and implementation of the APC module and pointed out that no progress has been achieved so far, apart from discussions with the PEG APC members, held at their 22nd and 23rd meetings.

M. Sarač also informed the PEG on activities related to design and implementation of the new web site of the Sava Commission. He stressed that the new website and related technical solutions with implementation on the new data management system would contain all information from the existing website, and it should not make significant changes in current processes while additional functionalities are expected. Public procurement was performed and company *GlobalDizajn* from Croatia was selected with the deadline of 4 months for the finalization. The new website will be installed on the Sava

Commission hardware infrastructure and hosted by the Secretariat in future. That will exclude current costs for external hosting service but will increase number of the Secretariat activities and necessity for the engagement of the internal IT-GIS expert. He noted that the PEG will be regularly informed about this activity related to the information management with aim to provide assistance to the Secretariat in expert issues related to the design and implementation of the new web site, as well as those related to maintenance of the web site and connected applications.

Proposal of the data identifiers

Dragan Divjak, outsourced IT-GIS expert repeated the need for the adoption of a common framework for the unique identification of spatial objects in SavaGIS that should support interoperability of spatial data across the Sava River Basin, which was clearly stated at the 17th PEG GIS meeting. He stressed that during the 18th PEG GIS meeting the Secretariat presented current status of national identifiers used in SavaGIS and proposed guidelines for definition of unique identifiers for SavaGIS, when the PEG members discussed the proposal, and pointed out that national codes and identifiers should be used and therefore concluded that the PEG members should deliver guidelines for the data identifiers which currently in use on the national level. Based on received materials and discussion from previous meeting, a new proposal was presented and discussed. The PEG members agreed that additional analysis should be made before a final proposal, taking into account the respective EC guidelines as well as experiences from Slovenia.

The PEG GIS members discussed all above mentioned issues under the agenda item with the following conclusions:

- Related to the further development of Sava GIS and establishment of the APC module, the PEG GIS members will provide additional information to the PEG APC members in order to implement the conclusions from the 23rd PEG APC meeting (*PEG APC members will check the availability and deliver existing data on the historical pollution accident events, including location, segment, and/or area of the river and/or lake affected by pollution as well as information on the start time and duration, cause, substances released, observed effects of the pollution, measures taken and all other related data, if available; PEG APC members will check the availability and deliver existing data on the equipment for remedy adverse effect of pollution, including location where equipment is sited as well as the information on the type of equipment and all other related data*)
- Related to project of the Sava Commission's web site redesign, the Secretariat will deliver the scope of work of web site redesign to the PEG GIS members, as additional 19th meeting document
- Related to development of the Sava GIS data identifiers proposal, the PEG GIS members from Slovenia will deliver a model for the data identifiers which are in use on the national level and which will be used for preparation of a final proposal of the Sava GIS data identifiers including the rules for spatial objects life-cycle, which will be presented at the next PEG meeting.

More information on the agenda item can be found in the related summary sheet and presentation (*Ad.3_SavaGIS Summary Sheet-after the meeting* and *AD.3_Presentation on SavaGIS*).

AD 4. SAVA GIS DATA POLICY

Introduction

M. Sarač briefed the PEG members about the activities carried out on the drafting of the document: *Policy on the exchange and use of Sava GIS data and information* (Sava GIS Data Policy), following discussion from the 17th PEG GIS meeting and the conclusion that a clear need for procedures of the Sava GIS data access is recognized, depicting the activities from the 18th meeting PEG GIS when the PEG members already reviewed and discussed the draft document. He stressed the PEG GIS conclusion that additional comments should have been sent after the 18th meeting, which were supposed to be used for the preparation of a new version of the draft Sava GIS Data Policy with the aim to be submitted to the PEG GIS for review. Given that no additional comments have been received, the Secretariat prepared the draft Sava GIS Data Policy to be reviewed at the meeting.

M. Sarač stressed that it was anticipated that the version of document, which would include all comments/corrections agreed by the PEG GIS members during the meeting, would be delivered after the meeting for the PEG members written comments with later additional improvements by the Secretariat, after which finalization and submission for adoption to the Sava Commission is expected.

Draft document review

The new version of the draft Sava GIS Data Policy was reviewed in detail at the meeting chapter by chapter, with a full involvement of the PEG GIS members and the following was concluded:

- The Secretariat deliver to the PEG members the draft Sava GIS Data Policy (v.0.3.1), presented and commented during the meeting, as additional 19th meeting document
- The Secretariat will improve the draft Sava GIS Data Policy including all suggestions and proposals given by the PEG members and commented in the document directly during the meeting and will provide the new version of document (v.0.4) to the PEG members, by March 15, 2019
- PEG members will review the draft Sava GIS Data Policy (v.0.4), improved and delivered by the Secretariat, and provide the written comments by April 5, 2019
- After receiving written comments by the PEG members, the Secretariat will prepare the final draft Sava GIS Data Policy (v.1.0), which shall include all acceptable suggestions as well as explanation if the comments are not acceptable, and will deliver that version for approval of the PEG members, by April 17, 2019
- If necessary, for the purpose of additional discussion on the final draft Sava GIS Data Policy, the meeting session will be organized (using web link).

AD 5. DATA AND METADATA COLLECTION

Following discussion from the 16th PEG GIS meeting, related to the conclusion of the 34th PEG RBM meeting that the 2nd Sava RBMP will follow the 3rd national planning cycle of the EU member states (Croatia and Slovenia), it was planned that the next cycle of the GIS data collection and import into Sava GIS of the following data per countries will start in autumn 2018. At the 17th PEG GIS meeting members from Croatia informed that the data for such deadline would not be ready for delivery and the exchange purposes. This information was presented at the 36th PEG RBM meeting when was concluded that the data from the 2nd national RBMPs of EU member states (Croatia and Slovenia) would be used.

However, given that the project proposal for the 2nd Sava RBMP development is still not approved, PEG RBM postponed the data collection cycle as well. Taking into account a few open issues related to which data will be used, the PEG RBM members on their 37th meeting proposed a joint session with PEG GIS to discuss data gathering topics.

2nd Sava RBMP related data

Dragana Milovanović and Samo Grošelj, co-chair of the PEG RBM gave a short introduction and presented the time plan of the 2nd Sava RBMP development, noting the planned period for the data collection activity.

M. Sarač informed the PEG RBM members that the PEG GIS estimated that the overall data gathering activity, including the data analysis, collection and import through the Sava GIS Geoportal will take around six months taking into account that the complete activity will be performed through several iterations in parallel to the PEG GIS member's regular work. For the purpose of the data analysis and preparation, M. Sarač presented the Sava GIS RBM database templates (*SavaGIS RBM geodatabase model.chm*) to be used by the PEG RBM to better understand which datasets are available within Sava GIS necessary to be delivered.

It was also stressed that the data delivered and used for the 2nd SRB Analysis were outdated in the meantime and could not be used so completely new data for the 2nd Sava RBMP have to be delivered.

After discussion PEG RBM and PEG GIS concluded as follows:

- The Secretariat will deliver to the PEG RBM members the Sava GIS RBM database templates (*SavaGIS RBM geodatabase model.chm*)
- PEG GIS will import into Sava GIS (using the Sava GIS Geoportal and exchangeable file) data for the 2nd Sava RBMP by September 6, 2019 using the following national RBM Plans and data sources:
 - BA: official data from the 1st national RBM Plan (by administrative units: Fed, RoS, BD)
 - HR: official data from the 2nd national RBM Plan
 - SI: official data from the 2nd national RBM Plan
 - RS: latest national RBM related data (Danube GIS, twinning project, etc.)
- The Secretariat will import into Sava GIS the latest national RBM related data for Montenegro, in communication with the responsible institution from Montenegro
- After completion of the data gathering process, the Secretariat will analyze data delivered by the countries and will prepare a report for the next PEG RBM meeting.

AD 6. SAVA FFWS

Archive/Web Server current status

M. Sarač presented the status of Sava FFWS, the draft post project organization and the activities within process of development of the draft Memorandum of Understanding (MoU) on cooperation on regular functioning and maintenance of the Sava FFWS. He stressed that Sava FFWS as a versatile forecasting system, unique in the region and example for the rest of the world, as well as mature base for possible future extensions, has been fully operational and in use since the official hand over and finalization of the project (Oct 25, 2018).

With respect to the role of PEG GIS in assistance in expert issues related to the Archive and web server support and maintenance, M. Sarač stressed that this hosting component as well as all other (Primary and Back-up servers) distinguish with faultless performance.

He also informed the PEG on ongoing activity of calibration of the Sava HEC-HMS hydrological model as a part of the further developments of Sava FFWS. It was stressed that activity is being performed by members of the Sava FFWS Forecasting and Development Team, which were nominated in accordance with the proposal of Sava FFWS post-project organization currently in procedure of approval within development of the draft MoU. M. Sarač pointed out that the first web meeting (webinar) was held on January 30, 2019 when the model, manual for and technical references and the plan of calibration were discussed. The webinar was attended by 23 participants from all five Sava countries, including representatives of seven out of nine Sava FFWS User's organizations and a representative of the Secretariat which agreed on further steps, milestones and deadlines of the activity.

More information on the agenda item can be found in the related summary sheet and presentation (*Ad.6_SavaFFWSSummary Sheet* and *AD.6_Presentation on SavaFFWS*).

AD 7. EXTERNAL PROJECTS AND ACTIVITIES

Sustainable Historic Environments hoListic reconstruction through Technological Enhancement and community based Resilience - SHELTER

Following discussion from the 18th PEG GIS meeting and information that the SHELTER project proposal has been supported by the Sava Commission, as one of 23 partners (the final list), M. Sarač informed the PEG that the proposal was evaluated as successful within the second stage of approval and has reached the stage of Grant Agreement preparation.

PEG GIS at its 18th meeting as well as PEG FP at its 34th meeting supported to be actively involved in the project implementation.

M. Sarač repeated the overall objective of SHELTER to establish cross-scale, multidimensional, data driven and community based operational knowledge framework for heritage-led and conservation-friendly resilience enhancement and sustainable reconstruction of historic areas to cope with climate change and natural hazards.

Sava River Basin is one of the case studies (five in total in Europe and different heritage's typologies) for which input data on the cultural-historical heritage from the relevant national institutions, with engagement of PEG FP and PEG GIS, will be collected and consolidated in a properly structured way for storing in the existing Sava GIS geodatabase. A state of the art GIS based layers will be prepared which will be used for the flood impact analyses on the receptor of cultural-historical heritage within the flood risk management planning, as well as for many other analysis related to the climate change adaptation on the basin level, as well as for purposes of the countries. All the developments of the project will be also validated against floods worsened by climate change (increase of intense precipitation).

All the same, networking between different sectors (water/floods, cultural-historical heritage and emergency management) and the continuous exchange of knowledge, best practices and facilitate peer-learning processes to raise awareness will be performed. Several workshops, trainings and working meetings with experts are foreseen.

M. Sarač informed the PEG GIS members that one or a few the most vulnerable sites of cultural-historical heritage within the Areas of mutual interest for flood protection in the Sava River basin (AMIs), defined by the draft Sava FRMP and for which the data on cultural-historical heritage will be able to be collected, is going to be thoroughly analyzed. He emphasized that performing such an analysis of the floods impact on the cultural-historical heritage within AMIs, using the simplified methodology proposed in the draft Sava FRMP, was already supported by PEG FP at its 39th meeting held on February 7-8, 2019. For the purpose of the mentioned analysis, the data on the flood depths as part of the flood maps will be required and therefore PEG FP also *asked PEG GIS to deliver data on the flood depths as part of the flood maps on the AMIs, where available.*

After short discussion PEG GIS concluded as follows:

- PEG GIS will provide information by February 27, 2019 when the data on the flood depths within the AMIs will be delivered.

More information on the agenda item can be found in the related summary sheet and presentation (*Ad.7_External projects and activities-SHELTER-Summary Sheet* and *AD.7_Presentation on the SHELTER project proposal*).

AD 8. WORK PLAN

Proposal of Work Plan for FY 2019

M. Sarač presented the proposal of Work Plan for FY 2019 related to the Information Management issue and Programme of Work of PEG GIS and informed the PEG members on the planned activities.

After short discussion PEG GIS concluded as follows:

- PEG GIS supports the proposed Work Plan for FY 2019 related to the Information Management issue and Programme of Work of PEG GIS
- PEG GIS will provide additional proposals, if any by February 21, 2019.

More information can be found in presentation (*AD.8_Presentation on the Work Plan FY 2019*).

AD 9. OTHER ISSUES

The next 20th meeting of PEG GIS shall be held in Serbia in October 2019, tentatively. Details and the exact date will be determined later.

ANNEX I: LIST OF PARTICIPANTS

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ANNEX II: LIST OF DOCUMENTS

Agenda item	Title	Language	Type
1	Ad.1_PEG GIS_19 th meeting_AdoptedAgenda	Eng	.pdf
2	Ad.2_Presentation on ISRBC activities_PEG GIS 19	Eng	.ppt
	Ad.2_Tasks and duties regarding conclusions from the previous PEG meetings	Eng	.docx
3	Ad.3_SavaGIS_Summary Sheet_afterthemeeting	Eng	.pdf
	<ul style="list-style-type: none"> ▪ <i>Ad.3_BD1_C_FRM_Geodatabase_model_v5.0.docx</i> ▪ <i>Ad.3_BD1_C_FRM_Geodatabase_model_v5.0_LayersAndTables.jpg</i> ▪ <i>Ad.3_BD1_C_FRM_Geodatabase_model_v5.0_Domains.jpg</i> ▪ <i>Ad.3_BD1_C_FRM_Geodatabase_model_v5.0_Help.zip</i> ▪ <i>Ad.3_BD1_C_FRM_Geodatabase_model_Implementation in SavaGIS_Activity Report.docx</i> ▪ <i>Ad.3_BD1_C_FRM_Geodatabase_model_Implementation in SavaGIS_Testing Report.docx</i> ▪ <i>Ad.3_BD1_C_FRM_Geodatabase_model_Implementation in SavaGIS_Registered User Manual.pdf</i> 		
	Ad.3_Presentation on SavaGIS	Eng	.ppt
4	Ad.4_Sava GIS Data Policy_Summary Sheet	Eng	.pdf
	Ad.4_SavaGIS_DataPolicy_draft_v0.3.1_onthemeeting <i>Ad.4_SavaGIS DataPolicy_draft_v0.3.1_onthemeeting_ANNEX II-RBM</i> <i>Ad.4_SavaGIS DataPolicy_draft_v0.3.1_onthemeeting_ANNEX II-FRM</i> <i>Ad.4_SavaGIS DataPolicy_draft_v0.3.1_onthemeeting_ANNEX II-TOPO</i>	Eng	.docx
5	Ad.5_Data and metadata collection _Summary Sheet	Eng	.pdf
6	Ad.6_SavaFFWS-Summary Sheet	Eng	.ppt
	<ul style="list-style-type: none"> ▪ <i>Ad.6_BD1_Sava FFWS establishment status</i> ▪ <i>Ad.6_BD2_Sava FFWS post-project organisation status</i> 	Eng	.pdf
	AD.6_Presentation on SavaFFWS	Eng	.rar
7	Ad.7_External projects and activities_SHELTER_Summary Sheet	Eng	.pdf
	Ad.7_Presentation on the SHELTER project proposal	Eng	.ppt
8	Ad.8_Proposal of Work Plan for FY 2019-Summary Sheet	Eng	.pdf
	▪ <i>Ad.8_BD1_Work Plan for FY 2018_EXCERPT</i>	Eng	.docx
	AD.8_Presentation on the Work Plan FY 2019.ppt	Eng	.pdf

* Documents available at the PEG GIS ftp site.