IGD-TP position for the first EURAD General Assembly (September 2019), including post GA position on Second Wave Activities (point 8)

Specific feedback from Andra, BGE, Ignalina/IAE, Nagra, Ondraf, PURAM and RWM has been integrated below. Our discussions at the last few EG meetings, as well as our interaction with EURAD, have generated a certain number of positions and statements that are also integrated below as background information and input for the General Assembly (GA) discussions.

1. The IGD-TP is evolving into its next decade. A new vision has been agreed upon and will be announced in November on the 10th anniversary of the IGD-TP. Our strong implementer-driven research agenda is currently being revised and once ready (target date February 2020) will define the IGD-TP position in EURAD for future decision making. The IGD-TP will regularly consult all EURAD WMOs to define its position in the EURAD College and Bureau. This also happened in anticipation of the first GA. A close link between the IGD-TP members (including observers) and the WMO college/bureau representatives is needed (reporting, information, alerts, meetings, etc.) and will be facilitated by the IGD-TP secretariat to ensure an effective and constructive interface and foster a strong WMO position. Regular updates from the WMO College representatives will be presented at IGD-TP EG meetings.

2. It is the IGD-TP opinion that the GA and the bureau should act as the "head" of EURAD and ensure the strategic, scientific and technical leadership required, supported by the PMO whose main role is to facilitate. The PMO reports to the GA, with the Bureau as the intermediate instance. The same applies to the Chief Scientific Officer, who is part of the PMO. This requires a change in the document where it states that the Chief Scientific Officer reports to the PMO. <u>For clarity, the roles are described in more detail in Appendix 1.</u>

3. The rules with respect to attendance of mandated actors and linked third parties, not involved in certain work-packages, to meetings of these work-packages need to be defined and approved by the GA. The same applies for attendance of third parties (e.g. regulators, as this request has already arisen).

4. The IGD-TP is of the strong opinion that any duplication in knowledge management needs to be avoided as many initiatives are ongoing already at different levels. Initiatives that do not involve WMOs need to be avoided. *"…The IGD-TP EG strongly recommends that stock will be taken from the IAEA and NEA experience in establishing the state of knowledge, providing guidance and training to avoid a too academic approach in this matter. These organisations have decades of experience in exactly these topics and have several initiatives in development …" (IGD-TP recommendation to EURAD core group dated 1 March 2019). In addition, it is essential to define the needs before taking action, particularly in terms of tools. The IGD-TP considers that the principle is not to establish handbooks, but to give access to scientific and technical knowledge (know and knowhow). This must be achieved in the context of the management of radioactive waste and more particularly geological disposal, in an organised and structured way on the basis of the numerous and rich existing documentation (WMO, open literature, international organisations…) and with a strong link to its use for geological disposal activities (siting, design, safety, survey…). In this context, the IGD-TP highlights that all countries, including (and perhaps especially) those with advanced programmes, have to deal with the transmission of scientific and*

technical knowledge within the field of radioactive waste management. A subsequent IGD-TP position paper considers the scope, objectives and approach for EURAD knowledge management.

5. The priorities to be taken on by the bureau in the first year of EURAD are:

- define the KM development plan (what, how…), including development of an adequate structure and establishing test cases, as well as contributing to the envisaged competence matrix

- update of the roadmap (link with NEA; in particular, ongoing work)

- prepare the "light" update of the SRA

- initiate consideration of the next tranche of RD&D projects to address the funding which is currently unassigned

- thoroughly review the reports and interim reports, and provide the conclusions to the WMO/RE/TSO colleges in order to support and enable needs-driven amendments

However, start-up will be an important challenge so the bureau activities should be limited to what is really needed and/or promised/foreseen.

6. Travel needs to be optimised as much as possible to minimise cost and time. In this context, the objective, scope, target participation and practical organisation of the yearly "EURAD event" scheduled in June or September 2020 should be discussed and agreed upon. Meetings need to be combined with other events already foreseen (e.g. Clay conference). Meetings with a large number of participants should preferably be held at locations that are easily accessible. The use of web-meetings should be preferred where possible.

7. A well-functioning GA and bureau are essential for transparent EURAD steering, building trust between the participants, and efficient decision making.

8. Position Regarding Second Wave Activities in EURAD (formulated post GA)

It is understood that the discussion was opened at the first GA on how future EURAD scope/WPs should be developed, with the actual selection procedure to be developed in detail by the Bureau. As indicated by the figure below, the final selection procedure will be submitted to the GA for approval at the 2nd GA meeting in January 2020. The possible stages for development of the proposed 2nd wave of EURAD projects are:

- Candidate 2nd wave activities are suggested and developed as initial ideas within each College to produce a long list.

- Each College puts forward 2nd wave scope proposals via their representatives in the Bureau.

- Bureau meetings are used to develop broad cross-College support for candidate 2nd wave activities and to conduct prioritisation/down-selection.

- A short list of 2nd wave activities is presented to the GA at the 3rd GA meeting in June 2020 for discussion.

- After GA discussion a further prioritisation exercise to meet budgetary constraints will be conducted by the Bureau and the final list of proposed 2nd wave activities will be produced in August 2020.

- The GA will approve the final list in September 2020 in an offline meeting.

- WP development and finalisation will take place in September 2020 - January 2021, with proposed 2nd wave activities to be submitted to the EC via the 3rd EURAD AWP in February 2021.
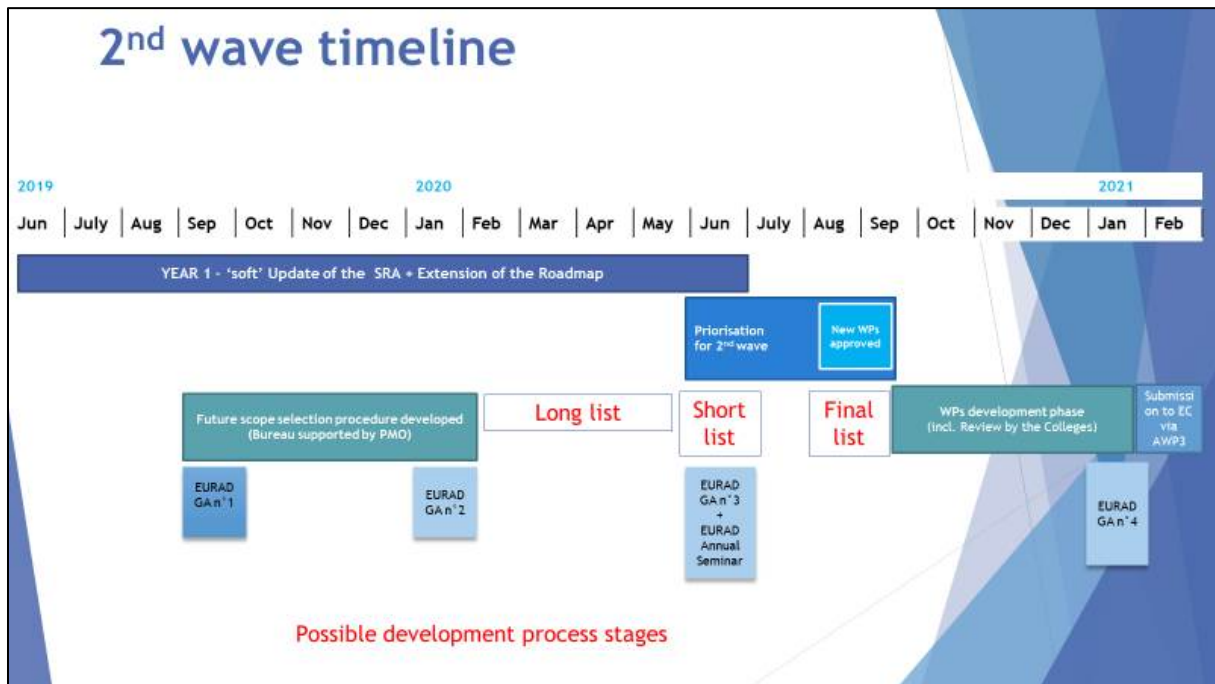
With regard to the procedure for selection of the second wave of activities to be undertaken in EURAD the following WMO College positions and statements are provided for consideration at the next Bureau meeting on this topic.

Proposed principles for selection of new activities in EURAD:

- Each 2nd wave activity must be consistent with the EURAD Vision, SRA and Roadmap.

- 2nd wave activities must be of high-priority.

- New activities must be needs driven and of use to end users, contributing to the safety case and progressing geological disposal implementation.

  o As part of this procedure it the responsibility of WMOs and TSOs to assess the proposed project outputs, determine whether or not they have a substantial impact on the established knowledgebase and ultimately decide whether the knowledgebase adequately supports robust safety case arguments. If done correctly, this process will result in a clear and justified understanding of any need (or otherwise) to investigate the topic area further.

  o A dialogue needs to be established at that point with the REs on how to tackle the needs and which activities are required to address them. RE are further invited to

identify topics which would significantly contribute to the knowledge base. A majority of WMOs and TSOs would need to be convinced of the significant contribution to the safety case for the topic to be taken up.

- There should be no duplication of existing and/or ongoing work, or activities being undertaken by other organisations (e.g. NEA or IAEA).

- The 2nd wave activities should not be selected simply on the basis of each College selecting their favourite activities and splitting the available funds equally three ways, as this will not lead to the best value for money.

- It is important that the Bureau circulates the ranking and short-listing process to be used for comment by the GA before the activities are identified and the ranking process applied.

At the next IGD-TP EG meeting in February 2020, the WMOs will identify possible projects for discussion and development by the Bureau. The WMO College (i.e. the IGD-TP) proposed methodology for identifying 2nd wave activities involves:

- review of the IGD-TP EG RD&D topic list (level 1 of the portfolio);

- review against the IGD-TP SRA; and

- a cross-check against the EURAD SRA and activities that were postponed at the first stage.

This approach will give an idea of the WMO projects of interest. It is anticipated that roughly five projects will be proposed by the WMO College in order for there to be sufficient scope to identify areas of common interest between the Colleges and for short-listing.

Appendix 1: Governance of EURAD

General

The GA is the decision-making body in EURAD. The Bureau does not take decisions, nor does the PMO. But the Bureau prepares the decision in advance of GAs, taking into account positions of the 3 colleges: the Bureau (and the PMO see below) "accompany" the GA on strategic / prospective aspects (and the PMO on coordination aspects of implementation, reporting, communication, contacts with stakeholders => day-to-day management). PMO tasks are defined in WP1. The Bureau and PMO work closely together.

Bureau

The "Bureau" is the "executive" body of the GA (3 colleges) within EURAD. **This means, that even if the "Bureau" is not financially supported by the EC within EURAD it undertakes work, in particular for the update of the SRA of EURAD**. As representative of the 3 colleges, the "Bureau" does not delegate its responsibility to PMO.

PMO

The PMO is composed of a representative of the Coordinator (Andra) + support persons (coming from the 3 colleges, but not acting as representative of the colleges as the bureau) + the Chief Scientific Officer.

The PMO accompany the GA for the overall planning, coordination and implementation of the Work Plan and the **day-to-day management**. It is under the responsibility of GA, with the Bureau as interface. PMO tasks are (described under WP1):

- Management and coordination of the administrative, legal and financial aspects (including required periodic technical and financial reporting)

- Contribute to overall operational scientific and technical coordination/integration/interfaces as defined within WP and strategic activities, for consistency and as facilitator

- Support the Bureau/General Assembly in the extension/update of SRA and Roadmap

- Internal communication and meetings of the Consortium, in close link with the Bureau and the WP Leaders

    - Reports periodically to GA for operational development of EURAD activities, as needed and necessary

- Contribute to dissemination, in close link with the WPL and the Bureau

- Interfaces and interactions at international level for EURAD general presentation, in close link with the Bureau

Chief Scientific Officer

To address EC comments, a Chief Scientific Officer (CSO) has been added to the PMO in order to reinforce the scientific leadership of EURAD on aspects of science, technology and knowledge management towards fulfilment of the EURAD Vision. The CSO acts as a EURAD high-level spokesperson with a recognised broad and strategic overview within the overall field of radioactive waste management, and is to contextualise EURAD progress and results vis-a-vis the Roadmap, i.e. linking EURAD scientific/technical/strategic outcomes to milestones typical of different phases of a RWM programme, and with an independent position.

			WP Leaders	PMO	Bureau	GA	Coordinator
Programme level	Management	Addition of a new Beneficiary		Inform		Approve	Submit (amendment)
		Settlement of payments				Approve	Propose / Launch the payment
		Periodic reports	Contribute	Coordinate, verify consistency and content	Review	Approve	Submit
		Budget revision	Contribute	Prepare	Review	Approve	submit
		Annual Work Plan	Contribute	Coordinate	Review	Approve	submit
		Dissemination Plan	Contribute	Prepare	Review	Approve	Submit
	Strategy	Update of the Founding Documents SRA/Roadmap updates with planning		Support	Realise (with inputs of 3 colleges)	Approve	(Verify consistency with legal documents)
		List of WPs for 2nd wave of RD&D and Strategic Studies (including designation of the WP leader, budget)		Support	Propose (with inputs of 3 colleges)	Approve	Submit (amendment)
		Link with international organizations (NEA, IAEA…): workshop, common documents…	Contribute	Support	Define, propose	Approve	Accompany
at project (WP) level	"Slight" modification in a WP (ex. with no modification of objectives)		Propose	Review	Approve		
	Major deviation in a WP (ex. Abandon of a task/objective, huge modification of budget)		Propose	Coordinate	Review	Approve	Submit (amendment)
	Development of a "new" WPs		Contribute	Support	Review	Approve	
	Deliverable		cf. deliverables' approval procedure				