**CBS-Ext(14) and RA-III combined TECO:**

**Future Challenges and Opportunities for RA-III and CBS (Regional Priorities for WIGOS and GDPFS) – co-chaired by President RA-III and Vice-President CBS/Chair, ICG-WIGOS**

**DRAFT Programme (v2 2 April)**

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| Time | Topic | Speaker | Comments, suggestions | Con-firm |
| **DAY 1** | | | | |
| Session 1: Next Generation Global Data Processing and Forecasting Systems (GDPFS)  [structure, topics, speakers to be proposed by **Co-chairs OPAG-DPFS 🡪Ken**] | | | | |
| 9.00 – 9.20 | Introduction and Vision for GDPFS | Ken Mylne | Include:  Convective scale NWP  SWF Programme and links to Service Delivery, PWS and research.  Parallels with LRF  GDPFS Centres  ERA | y |
| 9.20 – 9.40 | Risk-based Warnings and Impact Prediction | Paul Davies | Link with PWS and Service Delivery Incorporate The GGU – a case study in mentoring the development of NMHSs – as a contributor to Service Delivery enhancement. | y |
| 9.40 – 10.00 | From SWFDP to a Global Programme to Support NMHSs – capacity building for global Service Delivery | Ken? Bill Bolhofer?  Eugene Poolman?  Alice Soares? | *Need to confirm speaker*   * *Need to think about who will be at CBS* | n |
| 10.00 – 10.10 | Short intro to Break-out Session | Ken Mylne or Yuki Honda |  | y |
| 10.10-11.15 | Break-out Session on SWF Programme  (to include coffee break) |  | Questions:   * How do we sustain the Cascading Forecasting Process long-term? * Priority areas for new SWFDP projects towards global coverage * Can we realise the Cascading Forecasting Process in RAIII? * How might we enhance the SWF concept to broaden the benefits? | y |
| 11.15 – 11.45 | Report back from Breakouts | Facilitators TBD |  |  |
| 11.45 – 12.05 | New Manual and the Evolving structure of GDPFS Centres | Yuki Honda | Ken/Yuki: Given the plan to include this in the lunch-time TECO (which will have already happened by this time), do you want to reduce the time here and just have a high level overview? Or possibly include something else – eg impacts of seamless forecasting, from now to the never-never! Maybe from a forecasting and/or service delivery perspective? Your call. | y |
| 12.05 – 12.25 | Long-range forecasting and its Service Delivery | Arun Kumar |  | y |
| 12.25 - 12.45 | GDPFS development and needs in RA-III | ?? | *Need to nominate a speaker* | n |
| 12.45 - 13.00 | Wrap-up and Conclusions | Ken Mylne &  Yuki Honda |  |  |
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| 13.00 – 14.00 | LUNCH BREAK |  |  |  |
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| Session 2: CBS contribution to GFCS  [structure, topics, speakers to be proposed by **President CBS 🡪 Fred**] | | | | |
| 14.00 – 14.20 | Elements of CBS contribution to GFCS | CBS President, Fred Branski | Suggest 2-4 speakers with various perspectives – maybe an overview from Fred,… | y |
| 14.20 – 14.40 | How RA-III is responding to GFCS challenges, and how can CBS help?  Or  A GFCS Case Study from RA-III | RA-III representative | RA-III perspectives on GFCS;  or  A RA-III member case study on aspects of GFCS relevant to CBS | n |
| 14.40 – 15.00 | Implementing the GFCS User Interface Platform (UIP) | Yuki Honda | UIP is the interface to link service providers with users in various application fields. Also Climate Service Information System (CSIS) to deliver the information and products to users through UIP. |  |
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| 15.00 - 15.20 | COFFEE/TEA BREAK |  |  |  |
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| Session 3: Future Challenges and Opportunities for CBS – **as** **proposed by Sue** | | | | |
| 15.20 - 15.40 | Future vision for CBS in serving WMO | President CBS,  Fred Branski | Future role and drivers for CBS in serving needs and priorities of WMO – incl wrt other TCs, RAs, external technical bodies |  |
| 15.40 – 16.00 | Future observing technologies for weather and climate | Co-chair OPAG-IOS, Jochen Dibbern | Future observing technologies, in situ (especially), space, airborne etc and how they’ll influence CBS/NMHSs |  |
| 16.00 – 16.20 | Future trends and opportunities in ICT | Co-Chair OPAG-ISS,  Matteo Dell’Acqua | Future ICT technologies and service models and how they’ll influence CBS/NMHSs. Impact of growing data volumes on NMHSs and how we need to collect, manage, transmit, process, use, archive etc better |  |
| 16.20 – 16.40 | Managing disasters better – how CBS can help | DRR Coordinator,  Michel | Future disaster management scenarios and how CBS can help members plan, prepare, respond better |  |
| 16.40 – 17.00 | Changing the way we get our messages across  or  Delivering  forecast and warning services: focusing on the impacts of hazards" | Co-Chair OPAG-PWS, Gerald Fleming | How will we deliver services and information in the future – in a way that enables a better response? Focussing on impacts of hazards? |  |
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| **DAY 2** | | | | |
| Session 4: RA III priorities for Basic Systems and Services | | | | |
| 9.00 – 9.30 | Regional priorities in basic systems and services – with focus on WIS, Forecasting Systems and Service Delivery | President RA III (or representative) | What are the regional priorities and capacity development needs that CBS can assist in delivering?  Note: WIGOS will be covered in next session. |  |
| 9.30 – 9.45 | CBS perspective on engagement between RA III and CBS | President CBS,  Fred | Key issues and opportunities for RA-III and CBS. Extent of regional engagement in CBS activities? |  |
| 9.45 – 10.00 | Implementation of WMO Service Delivery Strategy in RA III? | RA-III Speaker 2 | Something else from Region that provides a lens into their needs and priorities; how they are responding to WMO priorities; how CBS/PWS can help. |  |
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| 10.00 – 10.30 | COFFEE/TEA |  |  |  |
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| Session 5: WIGOS Framework Implementation | | | | |
| 10.30 -11.00 | WIGOS is the future | Sue Barrell (Chair ICG-WIGOS) | Building on Jose’s ICG-WIGOS presentation, through to WIGOS as an enabler, and what WIGOS means for Members |  |
| 11.00 – 11.20 | WIGOS framework | Lars Peter, WIGOS Project Manager? | Progress in implementing the framework and its building blocks |  |
| 11.20 – 11.50 | WIGOS Information Resource | Etienne Charpentier | What it is, how it is being developed, etc. Demonstration.  On-going management |  |
| 11.50 – 12.20 | WIGOS Technical Regulations | Russell Stringer, Chair TT-WIGOS Regulatory Material | What it is, why we need it, how it is being developed, etc.  Progress and implementation issues. Highlight all components of WIGOS |  |
| 12.20 – 12.50 | WIGOS Metadata | Brian Howe, Chair TT-WIGOS Metadata  Or alternate if Brian not on delegation? | What it is, why we need it, how it is being developed, etc.  Progress and implementation issues  Highlight all components of WIGOS |  |
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| 12.50 – 13.50 | LUNCH |  |  |  |
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| Session 6: WIGOS Framework implementation in RA-III | | | | |
| 13.50 – 14.20 | Regional WIGOS Implementation Plan | Jose Arimatea de Souza Brito | Do they also have a Regional WIP Plan? Is it integrated or do we need an additional slot? |  |
| 14.20 – 14.40 | Needs and opportunities for AMDAR in RA III | To be advised by Jochen/Frank Grooters | Development of Regional Implementation Plan for AMDAR, and what it will mean for RA-III |  |
| 14.40 – 15.00 | Meeting requirements for satellite data in RA-III | Co-Chair OPAG IOS Anthony Rea | Including intersection with RA-IV requirements, and a view towards future satellite capabilities. |  |
| 15.00 – 15.20 | Regional WIGOS Case study | RA III Speaker | Example of a project underway, planned or desired – might include WIS example? |  |
| 15.20 – 15.30 | Introduce National Checklist for breakout groups | Sue Barrell or alternate |  |  |
| 15.30 – 16.20 | Breakout groups (sub-regional; language-based – just Spanish?) to discuss and start to complete National Checklists  (include COFFEE/TEA BREAK) | Facilitators TBA | Start process to complete National Checklist |  |
| 16.20 – 16.35 | Breakout groups report back | Facilitators |  |  |
| 16.35 – 16.50 | Case study of national WIGOS implementation | RA III Speaker |  |  |
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| Session 7: Close | | | | |
| 16.50 – 17.00 | Summary and closing remarks | Co-chairs of TECO |  |  |
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