

1. Attendees (alphabetical order by surname)

SC members	Jörn BIRKMANN Peng CUI S.H.M. FAKHRUDDIN (online) John HANDMER Haruo HAYASHI Virginia JIMÉNEZ DÍAZ	Wei-Sen LI (online) Shuaib LWASA (Chair) Virginia MURRAY (online) Rajib SHAW Jana SILLMANN (online)
Ex-officio/Host	Shoko ARAKAKI (UNISDR) Mathieu DENIS (ISC-online)	Jie LIU (RADI) Anne-Sophie STEVANCE(ISC-online)
IRDR IPO	Qunli HAN (Executive Director) Lucy JONES	Lang LANG Fang LIAN
IRDR NCs	Tetsuya IKEDA(IRDR Japan) Toshio KOIKE (IRDR Japan) Qingrong NI (IRDR China)	Irina RAFLIANA (IRDR Indonesia) Eko YULIANTO (IRDR Indonesia)
IRDR ICoEs	Denise BLAKE (ICoE-CR) Michael BOYLANG (ICoE-TDDR) Emily CAMBELL (ICoE-CR) Gloria CHEN (ICoE-CCOUC) Sameer DESHKAR (ICoE-RCS) Amod DIXIT (ICoE-NEST)	David JOHNSTON (ICoE-CR) Jian-Cheng LEE (ICoE-Taipei) Asta Yi-tao MAN (ICoE-CCOUC) Atta-Ur-RAHMAN (ICoE-DCE) Si-Yu YU (ICoE-Taipei)
Invited Guests	Glenn FERNANDEZ Gretchen KALONJI Victor Manuel Garcia LEMUS Ana Maria CRUZ Soichi NAKAJIMA	Satoru NISHIKAWA Hirokazu TATANO Annisa TRIYANTI Kenichi TSUKAHARA

2. Apologies

SC members	Irasema ALCÁNTARA-AYALA Riyanti DJALANTE	Ann BOSTROM
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3. Documentation

Documents prepared for the 20th SC meeting and presentations given during the meeting are available to download from the SC member zone on the IRDR website.

[Members Zone Link](#)

- 20TH SC meeting agenda
- 20TH SC meeting participants list
- 20TH SC practical arrangement
- List of 20TH SC meeting PowerPoint presentations

- 19TH SC meeting minutes
- IRDR science plan
- IRDR action plan

4. Minutes of Meeting & Action Point

1. Welcome

The SC Chair, Shuaib opened the SC meeting by welcoming all participants. Qunli made an opening remark and reported the absences. Peng welcomed the group and gave a short introduction of IMHE and the IRDR flagship project 'Silk Road Disaster Risk Reduction'. Introductions proceeded around the room.

2. Approval of the Agenda

SC adopted the agenda of the meeting (see Appendix A).

3. Co-sponsors / host Update

3.1 UNISDR

On behalf of UNISDR, Shoko emphasised the importance to clearly align IRDR's future work with the Sendai Framework for Disaster Risk Reduction in a coherent manner with the Agenda 2030. With the political momentum that has been created by the high-level dialogues on climate change, it is becoming even more critical that all of us should focus on reducing climate and disaster risks to achieve the Sustainable Development Goals (SDG) by 2030. UNISDR therefore also needs to continue its leaderships in generating credible evidence in collaboration with the science and technology (ST) community to inform governments to act. She identified five priority areas for action for the ST community. First, aiming to address key issues that can accelerate the implementation of the Sendai Framework in coherence with the Sustainable Development Goals and the Paris Agreement at national, local and community levels – "localization" of the implementation. Second, she highlighted the urgency to achieve the Sendai Framework 2020 deadline for Target E. Third, focusing on the expanded scope of hazards covered in the Sendai Framework is critical. Fourth, strengthening the capacity of member states to report on disaggregated data to ensure no one is left behind is vital. Lastly, she stressed the integration of DRR to improve the science-policy interface and the role of young scientists to contribute to the implementation of the Sendai Framework.

3.2 Global Platform (GP) Preparation

IRDR has collaborated with UNISDR STAG to organise the pre-event of the GP and specific sessions in order to demonstrate the scientific contribution to the Sendai Framework. IRDR special issues, policy briefs and working papers are under preparation. IRDR NC and ICoE were encouraged to contribute to the policy briefs and working papers.

3.3 CAS/RADI

Jie provided an update for the Host Institution: The Aerospace Information Research Institute (AIR). The CAS President office meeting approved to merge the Institute of Electronics (IECAS), the Institute of Remote Sensing and Digital Earth (RADI) and the Academy of Opto-Electronics (AOE) into the AIR. She presented an introduction of AIR, including staff, campus location, mission, and research directions. The Chinese emergency data response mechanism was introduced, and disaster-related research was highlighted.

3.4 STAG Update

The UNISDR Science Technology Advisory Group (STAG) Chair, Rajib Shaw presented the progress and critical updates of STAG. A new STAG was formed in September 2017, and established its four working groups: Capacity Building/Development, Data, Nitech and Economics groups. He presented a new open access journal: progress in disaster science.

4. IPO Update

Qunli reported on the implementation of IRDR action plan 2018-2020. A brief introduction of the action plan was given. SC reviewed the progress and follow-up actions as well as provided recommendations for each action. A list of follow-up actions for the implementation of the IRDR action plan was proposed.

Action Point for IRDR Action Plan		Whom
Action 1	Guidance on the SC members' terms	ISC
Action 3	Collaborate with UNISDR STAG to review the IRDR policy briefs and working paper	SC STAG
Action 3	A call for participation: policy briefs and working paper to NC and ICoE	IPO
Action 5	Open working group membership to NC, ICoE and young scientists, a call for participation will be circulated	IPO
Action 8	Launch the 4 th batch of IRDR young scientists	IPO
Action 11	Collaborate with UNISDR to develop ST roadmap reporting system in the Sendai Framework Voluntary Commitments (SFVS) online platform	SC, UNISDR, STAG
Action 12	Start the periodic synthesis case study	Haruo
Action 13	Collaborate with UNISDR regional offices to enhance national DRR platforms for the implementation of the Sendai Framework under UNISDR's guidance	IPO, SC, UNISDR regional office
Action 23	Invite former SC members to develop the WG publication as IRDR legacy	SC
Action 23	Organise a Working Group workshop for wrap up (invite former SC members and key actors)	IPO

5. Working Group Development

DATA WG reported its project plan 2018-2020. Virginia M. presented the diagram of the digital tsunami and highlighted challenges of the digital revolution, particularly the challenges for science and society. The WG's critical work on disaster mortality data has contributed to the Sendai Framework Global Target A. Bapon demonstrated the damage assessment for Indonesia Tsunami and IRDR Data newsletters. **RIA WG's** co-chair, Bapon reported the APEC Senior Disaster Management Official Forum and proposed activities. HiWeather community looked for collaboration opportunities with RIA WG. Virginia J. presented **AIRDR's** objective, goals and plan 2018-2020 as well as reported on the Regional Platform for Disaster Risk Reduction in the Americas. The ongoing and upcoming activities were listed, especially advances with the webpage www.estudiarrd.org on Africa's DRR University programmes. **FORIN WG** updated the activities such as translating the FORIN's publication into Mandarin and presented its plan. **CCA-DRR Synergy WG's** co-chair, Rajib presented the work plan 2018-2020, highlighting the blueprint of research agenda on DRR-CCA-SDGs, Climate Fragility, Innovations in DRR and edited a book on IRDR. Haruo presented **SFDRR Synthesis WG's** progress made for online synthesis system such as establishing disaster resilience hub, designing a preliminary synthesis and developing a draft implementation plan.

6. IRDR pre-discussion on the main themes of the International Conference

This session aimed to pre-discuss the three main themes: (1) the ST Roadmap and its implementation strategy (2) Sendai new hazards and (3) synthesis system of science and technology. IRDR could review the ST roadmap under the leadership of UNISDR, and update the list of hazards from the IRDR DATA group. Regarding the role of ICoE and NC on specific deliverables in GP next year, SC encouraged ICoE and NC to update IRDR policy briefs and develop working papers. Also, ICoE and NC were invited to participate in the pre-event of GP that will be organised by UNISDR STAG, ISC and IRDR.

7. The future of IRDR

On behalf of CAS, Jie pointed out that the funding opportunity for the second phase of IRDR is possible if a science plan is well developed in consultation with the three co-sponsors. SC recommended all to re-examine the mid-term review report and identify gaps of the IRDR programme in order to develop the science plan. Safety and DRR are critical elements of sustainable development, hence, coherence between the Sendai Framework for Disaster Risk Reduction, SDGs and the Paris agreement is vital in developing the second phase of IRDR. Therefore, the overall missions of IRDR need to be adjusted.

8. SC 21th Meeting

Geneva was proposed for the 21th meeting of the Scientific Committee. The date will be close to the Global Platform 2019. IPO will follow this in consultation with the ISC and UNISDR.

<End of Minutes>

Appendix A – The agenda of 19th Scientific Committee Meeting

20TH Scientific Committee Meeting

15 October 2018, Chengdu, China

AGENDA

Venue: 3rd Floor, No.2 Building, IMHE

TIME	TOPIC	LEAD / SPEAKER
09.00 – 09.10	1. Welcome 1.1 From SC Chair 1.2 From IRDR Executive Director 1.3 From the Host Institution 1.4 Round Table Introductions	Shuaib Lwasa Han Qunli Cui Peng SC members and observers
09.10 – 09.15	2. Approval of the Agenda 2.1 SC-20 Agenda	Shuaib Lwasa
09.15 – 10.00	3. Co-sponsor/host Update 3.1 UNISDR (10 minutes) 3.2 Global Platform Preparation (15 minutes) 3.3 CAS/RADI (10 minutes) 3.4 STAG Update (10 minutes)	Shoko Arakaki Shuaib Lwasa Liu Jie Rajib Shaw
10.00 – 10.20	Coffee Break + Group Photo	
10.20 – 10.40	4. IPO Update 4.1 IPO Report on the Implementation of Action Plan 4.2 Discussion	Han Qunli Shuaib Lwasa
10.40 – 11.40	5. IRDR Working Group Development (10 minutes for each – with Q&A) 5.1 DATA 5.2 RIA 5.3 AIRDR 5.4 FORIN 5.5 CCA-DRR Synergy 5.6 SFDRR Synthesis Report	Virginia Murray/Bapon Fakhruddin Bapon Fakhruddin Virginia Jimenez IPO Riyanti Djalante Haruo Hayashi
11.40 – 12.40	Lunch	
12.40 – 14.10	6. IRDR pre-discussion on main themes of the International Conference on Integrated Science and Technology Contributions and Role and deliverables of ICoEs and NCs 6.1 Discussion on 2016 S/T Road Map and the implementation strategy 6.2 Discussion on Sendai anticipated new hazards 6.3 Discussion on Synthesis system of science and technology 6.4 Role of ICoE/ NC on specific deliverables in GP 2019 and beyond	Rajib Shaw / Han Qunli
14.10 – 14.30	Tea / Coffee Break	
14.30 – 17.00	7. The Future of IRDR 7.1 New contexts of SFDRR 7.2 Consolidation of IRDR achievements: knowledge capacity, networks, strategic institutional partnership 7.3 Revisiting Original IRDR Science Plan 8. SC 21TH meeting – location and timing 9. Wrap up	Han Qunli / Shuaib Lwasa Han Qunli / Shuaib Lwasa Shuaib Lwasa
17.00	Opening Night Reception. Dinner-Free Arrangements	