



IUGG 中国委员会会讯

2021 年第 1 期（2021 年 4 月 20 日）

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1. IUGG 中委会 2020 年度总结会议在京召开

2021 年 4 月 1 日，国际大地测量和地球物理学联合会中国委员会（CNC-IUGG）2020 年度总结会议（“线上”+“线下”）在北京召开。中国科学技术协会国际联络部王庆林副部长、IUGG 中委会主席夏军院士，中国测绘科学研究院燕琴院长、中国卫星导航定位协会刘大可常务副会长，IUGG 中委会陈俊勇院士、杨元喜院士、吕达仁院士、李建平副主席、党亚民秘书长等 30 多名院士专家出席了会议。



会议首先由中国测绘科学研究院燕琴院长致辞，燕院长感谢各位领导、院士专家的到来，并代表中国测绘科学研究院承诺全力做好 IUGG 中委会秘书处支撑保障工作，为提升中国地球科学国际学术交流贡献力量。

夏军院士首先代表 IUGG 中委会做了《IUGG 中国委员会 2020 年度工作总结》，全面总结了 IUGG 中委会 2020 年度工作，并对 2021 年重点工作进行了部署。随后，IUGG 中委会 8 个分委会分别做了 2020 年度工作总结报告，介绍各分委会 2020 年主要国内外学术活动及主要成果。会议同时讨论了第四届 CCGG 大会筹办的相关工作。

王庆林副部长对 IUGG 中委会 2020 年度工作表示了充分肯定。指出新的国际形势对中国科协国际组织工作提出了新的要求，IUGG 中委会作为科协下属组织，肩负着联络国际组织、参与国际治理的国家任务，应积极参与全球治理，提升我国与 IUGG 合作水平，在 IUGG 国际组织中争取更多任职，提出我国的主张和理念。

IUGG 中委会主席夏军院士代表 IUGG 中委会做总结发言，指出 IUGG 中委会需要进一步做好各项国内外学术活动的组织与筹划，积极推进地球科学多学科交叉，服务国家可持续发展需求，应对全球变化，加强国际地球系统科学的合作与交流，为推动地球科学发展做出应有的贡献。



（供稿：陈棉、杨强）

2. 夏军院士参加 IUGG 执行局委员会会议

3月10日，夏军主席参加了国际大地测量和地球物理学联合会执行局委员会会议。在会议上，夏军主席介绍了我国举办的 CCGG 大会，邀请了 IUGG 主席 Kathryn whaler 教授，当选主席 Chris Rizos 教授在第四届 CCGG 大会上致辞及做大会主旨报告。经中委会沟通第四届 CCGG 大会相关信息已经在“The IUGG Electronic Journal”第四期进行宣传。

（供稿：王月玲）

3. 中国科协国际科学理事会（ISC）中国委员会全体会议在京召开

1月25日，中国科协国际科学理事会中国委员会（ISC-CHINA）全体会议在中国科技馆召开。中国科协副主席、ISC-CHINA 主席、国际科学理事会（ISC）副主席李静海，ISC-CHINA 主席顾问吴国雄以及 ISC-CHINA 委员和相关学会、科研院所代表、秘书处成员共 60 余人参会。中国科协党组成员、书记处书记宋军出席会议。会议由李静海主持，IUGG 中国委员会主席夏军院士出席会议并发言。

会议宣布了关于 ISC-CHINA 委员调整的决定，宋军为新增委员颁发聘书，并对中委会委员积极参与国际组织工作表示感谢。李静海在讲话中通报了 ISC 最新工作动态，介绍了在全球大疫情背景下 ISC 的全球战略、重要关切以及开展的系列工作。他指出，ISC 致力于为全球科技界发声，中委会应进一步加强与 ISC 的联系交流，积极参与其相关工作，充分利用国际组织平台，加强话语权和影响力，推动实现更加开放包容、互惠共享的国际科技合作。

会议听取了中委会 2020 年工作总结及 2021 年工作考虑、ISC 章程和议事规则修改有关

情况的报告，以及三大国际科学计划“灾害风险综合研究计划”“未来地球计划”“城市健康与福祉计划”国内协调机构工作报告。

委员们围绕 ISC-CHINA2021 年及未来工作进行了深入探讨，就推动中国科学家在国际组织任职履职以及全球疫情背景下国际科技交流与合作等议题展开交流。

会议对 ISC-CHINA 2020 年的工作表示充分肯定。与会人员一致认为，面对纷繁复杂的国际局势，下一步中委会应当更加主动作为，统筹力量形成合力，进一步加强沟通协调，推动自然科学和社会科学融合发展，助力实现可持续发展目标。会议还围绕推荐我国科学家参与 2021 年 ISC 执委会选举，动员力量更好地参与国际组织事务和全球科技治理进行了研究和部署。



（供稿：陈棉、杨强）

4. “战略性关键金属超常富集成矿动力学”重大研究计划 2020 年学术交流会在京召开



基金委副主任侯增谦院士致辞（北京会场）

2021 年 1 月 16 日，由国家自然科学基金委员会（以下简称基金委）地球科学部主办、“战略性关键金属超常富集成矿动力学”重大研究计划（以下简称关键金属计划）项目办公室承办的 2020 年度学术交流会在京召开。受疫情影响，本次会议设南京（南大国际会议中心）和

北京（外国专家大厦）两个分会场，采用线下和线上相结合的方式。

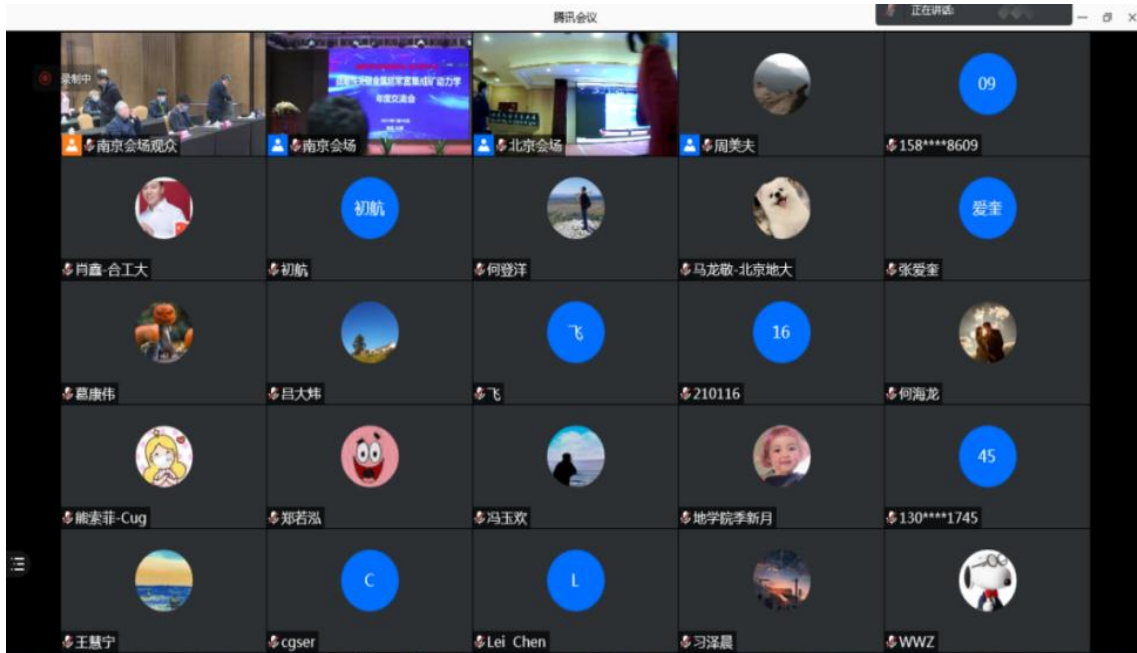
参加本次交流会的有基金委领导、关键金属计划指导专家组、咨询专家组、管理专家组及邀请专家、各项目负责人和研究骨干等。两个线下会场人数均严格限制在 50 人以内，其他人员则通过腾讯会议参会，高峰期同时听取报告人数达 550 人。会议由陈骏院士、翟明国院士和指导专家组成员主持。

本次会议以“成矿新区带”、“矿床新类型”和“成矿作用和强化分离新理论”等“三个突破”为主题。2019 年立项的 13 项重点支持项目负责人汇报了 2020 年工作主要进展。IAVCEI 中委会委员张铭杰教授作了题为《中国西部典型岩浆铂族元素和钴金属超常富集成矿动力学》的报告。此外，辽河油田陈振岩教授



指导专家组组长陈骏院士发言（南京会场）

级高工、西安地调中心李文渊研究员、地科院王登红研究员等 3 位专家针对“铼矿新类型”、“中亚及邻区与岩浆有关的关键金属矿产成矿规律”、“关键金属矿产安全保障”等主题作了邀请报告。



线上会议部分参会人员

(供稿：CNC-IAVCEI 陈宣谕)

5. 国际水文科学协会中国委员会积极推动科普教育工作

为加强水文水资源知识的科普宣传,努力提高社会公众“爱水、惜水、亲水”意识,近年来国际水文科学协会中国委员会(CNC-IAHS)积极推动相关工作,创建了以微信工作群和公众号、网页信息发布、科普论坛等多形式的科普教育、宣传报道模式,逐步建立了科普教育、宣传报道工作长效机制,取得了明显的工作成效。

CNC-IAHS 各分委会围绕中委会 2021 年度重点工作要求,积极开展科普教育工作。2021 年初,CNC-IAHS 委员、同位素分委会主席庞忠和教授在中国科学院“格致论道”大讲



堂专题作“破解水循环密码”的科普报告,约七百多人现场聆听了讲座;“瞭望智库”微信公众号转帖阅读量达 6.2 万余次。

科普报告以让公众易于理解、接受和参与的方式向普通大众介绍同位素水文科学,有利于向大众普及水循环科学知识,同时,收获社会更广泛的关注,有助于推广同位素水文学技术的应用。

(供稿：CNC-IAHS 李硕)

6. 国外重要学术交流

1) IYBSSD 2022 at the 76th United Nations General Assembly



In late 2019, the UNESCO General Conference adopted a resolution to proclaim the year 2022 as the “International Year of Basic Sciences for Sustainable Development” (IYBSSD). Meanwhile, the Dominican Republic has agreed to present the resolution for the proclamation of IYBSSD 2022 to the 76th United Nations General Assembly, planned to be held from 14 to 30 September 2021 in New York City NY, USA.

It is intended that IYBSSD will be organised in 2022, under the aegis of UNESCO and with the collaboration of UNESCO International Basic Sciences Programme (IBSP). Multiple scientific organisations, including IUGG, support this initiative as Founding Unions or Partners.

During IYBSSD, there will be several international events organised by Founding Unions and Founding Partners, with the aim to promote the role of basic sciences in the achievement of the United Nations ‘Sustainable Development Goals’. We encourage anyone with an idea (or already ongoing project) that could fit within the scope of IYBSSD to apply for a grant. There will also be communication actions at various scales, and incentives for local, regional and national organisations to set up their own events with the same aim.

2) IUGG to be involved in ITU/WMO/UNEP Focus Group on AI for Natural Disaster Management



The IUGG is pleased to announce the initiation of the ITU/WMO/UNEP Focus Group on AI for Natural Disaster Management (FG-AI4NDM). The focus group is building a community of experts and stakeholders to explore current practices (and untapped potential) in the use of AI to support:

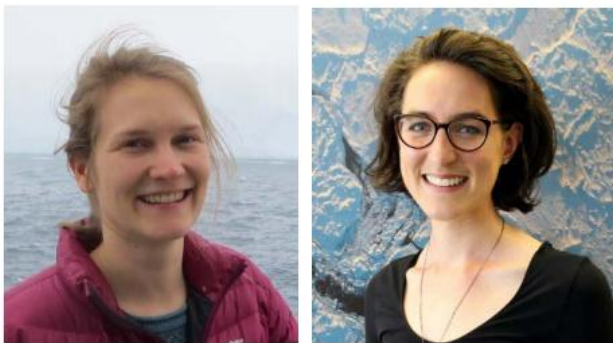
- data (collection/monitoring, handling),
- modelling (reconstructing, forecasting, and projecting), and
- communication (early warning systems, etc.) of natural disasters.

15-17 March 2021: opening workshop and meeting of FG-AI4NDM. The one-day workshop (10:00-14:00 CET) will highlight exciting activities in this domain. The IUGG Union Commission

on Geophysical Risk and Sustainability (GRC) has been invited to propose a speaker for the workshop. In the subsequent meeting 10:00-14:00 CET, both days), practical aspects of the focus group will be discussed and first use cases (i.e., natural disaster types) will be selected. To propose a use case, please visit the FG-AI4NDM website for the document template (which includes instructions). Please note that the deadline to submit proposals and register for the event is 2 March 2021. If you have any issues joining the mailing list or registering for the workshop/meeting, please contact the focus group secretariat.

All scientists under the umbrella of the IUGG are welcome to participate! Please join the (low volume) mailing list and mark your calendar for the following events:

3) IACS-IAPSO Joint Commission on Ice-Ocean Interactions



Isabel Nias (left) and Felicity McCormack (right) are cochairing the new IACS-IAPSO Joint Commission.

IACS and IAPSO are pleased to announce the establishment of a new Joint Commission with a focus on ice-ocean interactions. Ocean-driven mass loss from the Antarctic and Greenland Ice Sheets is projected to increase as a result of climate change, with broad-scale impacts on sea level rise, ocean circulation and heat content, ice sheet dynamics, and ecosystems. However, the processes of iceocean exchange remain poorly understood, and poorly resolved by the numerical ocean and ice sheet models used to project scenarios of climate change.

This Joint Commission aims to address these knowledge gaps by providing a framework to reconcile numerical model estimates of ocean-driven ice mass loss with observations and evaluate projections of ice melt. The Joint Commission will develop ties with international working groups to exchange knowledge and engage with the wider ice-ocean research community. This will include groups undertaking model intercomparisons of ice-ocean interactions and developing broad-scale observational networks in Antarctica and Greenland. The working group is co-chaired by Dr. Isabel Nias (IACS) and Dr. Felicity McCormack (IAPSO). For more information on how to contribute, please contact Dr. Nias or Dr. McCormack.

4) New IUGG Liaison Officers to CCTF and WDS

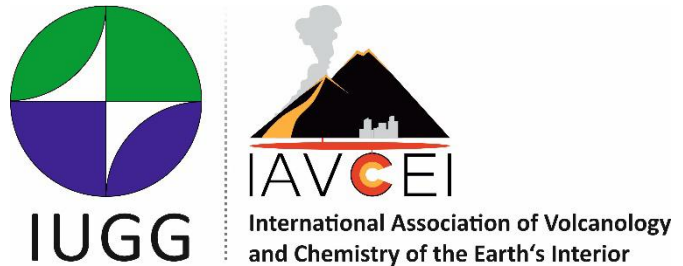
On 24 December 2020, following the recommendation of the IUGG Executive Committee, the IUGG Council appointed: (i) Dr. Felix Perosanz (France) as the new Alternate IUGG Liaison Officer to the Consultative Committee for Time and Frequency (CCTF) for 2021-2023 as the successor for Dr. Gérard Petit (France). This step was necessary because Dr. Petit recently took over other responsibilities at CCTF and therefore was no longer eligible to act as



IUGG Liaison Officer. Dr. Perosanz is well known in the IAG and the geodetic community. Since 1996, he has been working at the French Space Agency (CNES), and: (ii) Dr. Kirsten Elger (Germany) as a new Alternate IUGG Liaison Officer to the ISC World Data System (WDS) for the period 2021-2023 as the successor for Dr. Carey E. Noll (USA). This step was necessary because Dr. Noll recently retired. Dr. Elger is head of the research data repository GFZ Data Services, the domain repository for the geosciences, hosted by the GFZ German Research Centre for Geosciences in Potsdam, Germany. Dr. Elger is well known for her contributions to the IAG Services ICGEM, IGETS, and ISG.

5) IAVCEI Launches New Website

IAVCEI is pleased to inform that its reshaped, more professional and more user-friendly website will be launched on 2 February 2021. The address will remain the same: <https://www.iavceivolcano.org/>



7. 第四届 CCGG 大会将于 7 月在青岛召开



第四届中国大地测量和地球物理学学术大会 (4th CCGG) 将于 2021 年 7 月 16-18 日, 在位于中国青岛的中国石油大学 (华东) 召开。大会由国际大地测量和地球物理学联合会中国委员会 (CNC-IUGG) 主办, 中国石油大学 (华东) 承办。CCGG 大会每两年举办一次。会议旨在总结中

国大地测量与地球物理学在理论、技术与应用方面的最新进展与成果, 促进学科交叉、融合与跨学科的综合研究。

本次会议主题为“海上丝绸之路与地球系统科学”, 会议将设 34 个分会, 涵盖冰冻圈、大地测量学、地磁学与高空物理学、水文科学、气象学与大气科学、海洋物理学、地震学与地球内部物理学、火山学与地球内部化学以及前述交叉科学。

会议详细信息见大会网址: <http://ccgg2021.csp.escience.cn/dct/page/1>

(供稿: 陈棉、杨强)

8. 2021 IAG 科学大会将于 6 月在北京召开



International Association
of Geodesy

国际大地测量协会科学会议将于 2021 年 6 月 27 号-7 月 2 号在北京召开。IAG 国际科学大会每 4 年举办一次，受新冠疫情影响，自然资源部已正式批准本次 IAG 科学大会采用“全线上会议”模式。

会议详细信息见会议网站：

<https://www.iag-aig.org/topic/286>

(供稿：CNC-IAG，蒋涛)

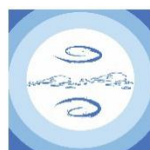
9. 重要国际会议信息

1) IAMAS-IACS-IAPSO Online Seminar Series 2021



International Association
of Cryospheric Sciences

IACS



International Association of Meteorology
and Atmospheric Sciences

IAMAS



International Association
for the Physical Sciences of the Oceans

A series of online seminars organised by IACS, IAMAS and IAPSO will take place in the week from 19 to 23 July 2021, replacing the Joint Scientific Assembly in Busan, Republic of Korea cancelled due to the COVID-induced uncertainty surrounding international travel. The programme is being finalized and will be distributed soon. It will feature presentations by the Association early career award winners for 2021 and invited speakers on the broad topics of remote sensing, field observations, modelling and coupled process of change in the atmosphere, cryosphere and oceans. Registration for this seminar series will be free; details of how to register will be announced soon in the IUGG E-Journal and the Association newsletters.

Confirmed seminar themes and speakers:

Remote sensing of the atmosphere, ocean and cryosphere

Paolo Cipollini (European Space Agency)

Byongjun Hwang (University of Huddersfield)

Pepijn Veefkind (Royal Netherlands Meteorological Institute)

Field observations of the atmosphere, ocean and cryosphere

Joellen Russell (University of Arizona)

Laura Stevens (University of Oxford)

Markus Frey (British Antarctic Survey)

Modelling atmosphere, ocean and cryosphere interactions

Jenny Mecking (National Oceanography Centre)

Cecile Agosta (LSCE)

Doug Smith (Met Office)

Coupled changes and variability in the atmosphere, ocean and cryosphere

Matthew England (University of New South Wales)

RuzicaDadic (University of Wellington)

Elizabeth Barnes (Colorado State University)

2) IAGA-IASPEI Scientific Assembly 2021

The Joint Scientific Assembly (JSA) of the International Association of Geomagnetism and Aeronomy (IAGA) and the International Association of Seismology and Physics of the Earth's Interior (IASPEI) will be organised from 21



to 27 August 2021 on a fully virtual platform, to overcome the risks due to the pandemic. The JSA will be preceded by the IAGA and IASPEI Schools and GIFT Workshop. The 13th General Assembly of the Asian Seismological Commission (ASC) will follow the JSA, adding to the variety and diversity of the scientific programme.

The LOC in consultation with the two Associations has substantially reduced the registration fees which shall allow many young researchers to participate and present their scientific papers and join us in plenary lectures and other joint sessions.

More information about the IAGA-IASPEI Joint Scientific Assembly (including deadlines, schedule, programme, abstract submission and registration) can be found [here](#).

More information about IAGA and IASPEI.

Abstract Submission Deadline: 15 April 2021