

【特别报道】

2018 年全国区域地质调查优秀图幅展评会召开

近日, 自然资源部中国地质调查局在北京组织召开了全国区域地质调查优秀图幅展评会。会议是自 2011 年举办首次展评活动后, 自然资源部中国地质调查局时隔 7 年再次组织召开的图幅展评会, 其目的是展示近年来区调试点填图优秀成果、总结交流工作经验, 深化区调改革转型, 提升我国区域地质调查成果的质量和水平。

本次参评共有 82 幅典型图幅, 是经过单位择优推荐、全国专家会评等流程从全国 237 幅试点图幅中优中选优, 按照新修订的区调技术标准严格评选出来的。最终经过本次展评现场专家组的严格选拔, 有 26 幅图幅获得了奖项, 其中特别贡献图幅 1 幅、特优图幅 5 幅、优秀图幅 20 幅, 代表了区域地质调查技术标准试行后我国区域地质填图工作的最高水平。

本次图幅展评原则具有三大特点: 一是严把关, 获选图幅数量严格按照试点总图幅数的 10% 左右控制, 确保优中选优; 二是多类型, 获选图幅包括四大岩类、深覆盖区、浅覆盖区、高山峡谷区、混杂岩区等, 充分体现我国复杂地质地貌特点; 三是广覆盖, 获选图幅单位涉及 3 家国外地质调查机构、8 家中国地质调查局直属单位、2 所高校、5 个省级地调院, 充分扩大了影响力。

获评的图幅充分体现了聚焦需求、解决问题、创新表达、科学家填图的区调改革新理念, 不仅具有开创性, 对未来的区调改革起重要的示范引领作用, 同时也凝聚了填图人员的自信, 起到有效的激励效果。其中, 获得特优的“牛圈子幅 (1:50 000)” (见文后插页), 是中国地质调查局西安地质调查中心和西澳大利亚地质调查局国际合作图幅, 该图幅借鉴了澳大利亚成功经验, 以岩性+构造实体填图绘制, 创新了地层系统表达形式, 强化了深部信息揭示, 提出北山古生代洋盆闭合时代的新认识, 为我国区域地质调查改革提供了参考依据。本次展评特别推选了“白墩子幅 (1:25 000)” 获评特别贡献奖, 该图幅是中加合作填图试点, 图幅在完成过程中注重根据实际地质情况组织填图队伍, 注重填图与科研有机结合, 注重填图与人才培养有机结合, 实现了科学家填图、围绕关键地质问题开展重点区大比例尺解剖, 一些先进的做法对于我国区调改革具有重要的借鉴意义。

区调工作最直接成果就是地质图, 其应用范围包括了经济社会发展的方方面面, 能够为矿产资源勘查、生态环境治理、地质灾害防治、国土空间规划、城乡建设、重大工程建设、地质科学发展等诸多领域提供不可或缺的地质基础资料。此次展评获奖的优秀图幅非常具有代表性, 不仅体现了新时代我国区域地质调查工作和填图改革试点取得的显著成效, 同时也启示当前的区调工作转型改革面临新的形势和新的思路。

(中国地质调查局基础调查部 毛晓长)

【Special Report】

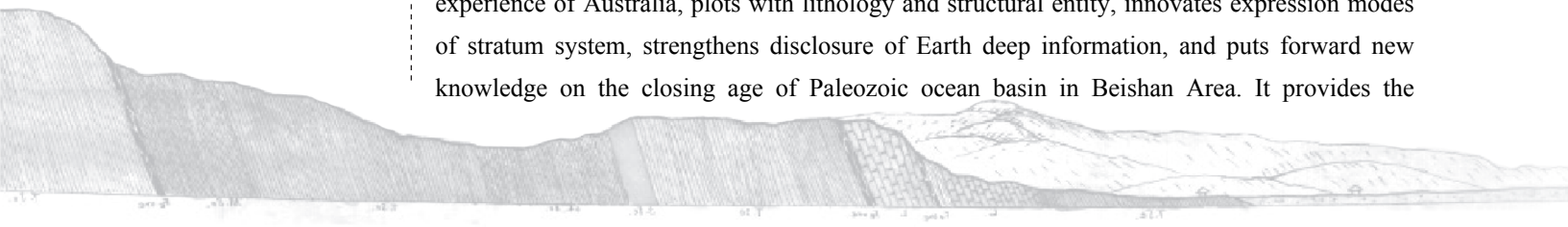
2018 National Exhibition and Evaluation Conference on Excellent Maps of Regional Geological Survey

China Geological Survey recently held the second National Exhibition and Evaluation Conference on Excellent Maps of Regional Geological Survey in Beijing, seven years apart from the first one held in 2011, aiming to show the excellent regional geological mapping pilots in recent years, summarize and exchange work experiences, deepen reform and transformation of regional geological survey, and improve quality and level of regional geological survey in China.

A total of 82 representative maps were exhibited in this conference, which were preliminarily selected from China's 237 pilot maps, by institution recommendation and evaluation with joint efforts from national experts referring to the newly-revised technical standards on regional geological survey. Through strict selection by on-site expert group of this conference, as a result, twenty-six maps were awarded, in which one map won the Special Contribution Award, five maps won the Extra-special Map Award and twenty maps won the Excellent Map Award. All the award-winning maps demonstrated the highest level of regional geological mapping in China since the new technical standards on regional geological survey have been put into trial operation.

This conference adhered to three principles: conduct strict control to ensure the number of award-winning maps accounts for about 10% of total pilot maps so as to guarantee and achieve optimization; guarantee variety diversification to make the award-winning maps cover four main types of rocks, deep coverage region, shallow coverage region, alpine and gorge region and melange region, so as to fully reflect the complicated geological and geomorphic features in China; ensure a broad of award-winning institutions, including three foreign geological survey institutions, eight institutions directly under China Geological Survey, two universities and five provincial geological survey institutes and fully expand their influence.

Award-winning geological maps, which fully reflect the new regional survey reform concepts, i.e. focusing on needs, solving problems, innovating expressions and mapping by scientists, are not only full of creativity and have significant exemplary and leading effect on the future regional survey reforms, but also gather the confidence of the map plotters and effectively stimulate them. Niujuanzi Map (1 : 50 000) (as shown below the text), which won the Extra-Special Map Award, was jointly completed by Xi'an Center of China Geological Survey and Geological Survey of Western Australia. This map learns from successful experience of Australia, plots with lithology and structural entity, innovates expression modes of stratum system, strengthens disclosure of Earth deep information, and puts forward new knowledge on the closing age of Paleozoic ocean basin in Beishan Area. It provides the



reference bases for regional geological survey reforms in China. Baidunzi Map (1 : 25 000), which won the Special Contribution Award, was completed under the Sino-Canadian cooperation. This map emphasizes organizing the mapping team on the basis of the real geological conditions, organically combining map plotting with scientific research as well as with talent cultivation, and achieved plotting by scientists and large scale anatomy of key area for critical geological problems. Some advanced practices have an important reference significance for China's regional survey reforms.

The most direct achievements of the regional geological survey are geological maps, which could be widely used in all aspects of economic and social development, providing indispensable basic geological data for various fields such as mineral resources exploration, ecological environment governance, geological disaster prevention, land and space planning, urban and rural construction, major engineering construction, geological science development, etc. All the award-winning maps are very representative, which not only reflect the remarkable achievements of China's regional geological survey and mapping reform pilots in the new era, but also reveal the new condition and new thinking of current regional survey transformations and reforms.

(Department of Geological Investigation, China Geological Survey MAO Xiaochang)

