

# International Geosciences Programme

**IGCP**

**UNESCO SECRETARIAT**

**2017-2020 Summary Report**



**IGCP Council appointments:** In December 2016, under the new operating guidelines for the IGCP within the International Geoscience and Geoparks Programme, six new members of the IGCP Council were appointed jointly by the Director-General of UNESCO and the President of the IUGS.

In 2018 and in 2020, according the operating guidelines half of the board membership was renewed and three new members were appointed replacing the members who were initially appointed for two years and four years. IGCP Council members who were jointly appointed by IUGS and UNESCO between 2016 and 2020 are listed below:

Name	Country	Years	Themes
Prof Guy Narbonne	Canada	2016-2018	Chair
Prof Maria-Julia Orgeira	Argentina	2016-2018	Global change
Dr Ismail-Zadeh	Azerbaijan	2016-2018	Geohazards
Dr Yongje Kim	Republic of Korea	2016-2020	Hydrogeology
Dr Nellie Mutemeri	Zimbabwe	2016-2020	Geodynamics
Dr Brigitte Vlaswinkel	Netherlands	2016-2020	Earth Resources (2016-2018) Chair (2019-2020)
Prof Weijian Zhou	China	2018-2022	Global Change
Prof Carlos Vargas Jimenez	Colombia	2018-2022	Geohazards
Prof Sobhi Nasir	Oman	2018-2020	Earth resources
Prof Hassina Mouri	South Africa	2020-2024	Geodynamics
Dr Jalludin Mohamed	Djibouti	2020-2024	Hydrogeology
Prof Jonathan Craig	United Kingdom and Northern Ireland	2020-2024	Earth resources

IUGS kindly disseminated the call for applications for IGCP Council as well as 2016, 2018 and 2020 appointment announcements.

**IGCP Scientific Board appointments:** UNESCO IGCP Secretariat, in collaboration with IGCP Council renewed 50 members of the scientific board in 2018 and 2020 and published their details at UNESCO website.

**IGCP statutory Meetings:** The Council Sessions of the International Geoscience Programme (IGCP) held its second, 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Session in February 2017, 2018, 2019 in Paris and 5<sup>th</sup> Session virtually in March 2020 due to COVID19 pandemic. Newly established Council of the IGCP, with the participation of IUGS President and Secretary General, held their first meeting in February 2017.

**IGCP projects evaluated by UNESCO:** Below table shows, number of new IGCP project proposals and annual reports evaluated between 2017 and 2020 by IGCP Council as well as active projects and projects which received funding from UNESCO.

	2017	2018	2019	2020
Number new IGCP project proposals received by UNESCO and evaluated by IGCP Council	9	13	20	22
Number of annual reports received by UNESCO				
Number of Active projects	23	27	31	43
Number of IGCP projects received funding from UNESCO and IUGS	21	23	27	36

**IGCP project meetings, activities, papers, conferences:** IGCP Project Leaders from 60 different countries organized high number of IGCP project meetings in more than 50 countries with the participation of thousands of scientists from 110 countries, these meetings were financially supported by the IGCP Programme funds in collaboration with UNESCO Secretariat and IUGS treasurer. IGCP project leaders also published high number of scientific papers including Episodes.

**IGCP capacity building activities:** IGCP International exchange network for young geosciences researchers project was approved by the International Geoscience Programme (IGCP) Council in 2018 to establish opportunities for post-graduate (PhD and post-doc) researchers to participate in pre-existing fieldwork and short courses projects within the subjects of Earth Sciences.

IGCP Secretariat issued a call for applications from both qualified early career Earth scientists from developing countries as well as host institutions that offer local and international fieldwork studies as part of graduate and postgraduate research degrees. Active and completed IGCP project leaders were invited to inform UNESCO IGCP Secretariat if they could accommodate additional participants from developing countries who will be sponsored by UNESCO.

IGCP Secretariat received high number of applications and following the approval of IGCP Council members the suitability of the candidates UNESCO supported 32 early career scientists from 21 countries to participate five short courses and IGCP field trips organized in Ireland, Ivory Coast, Tunisia, China and Nepal in 2019 listed below:

- **RESTORE:** Researching Social Theories, Resources, and Environment International Summer School: from 1<sup>st</sup> to 5<sup>th</sup> July 2019, Dublin, Ireland co-organized by IGCP by bringing together 42 postgraduate students and early career practitioners from 28 nations, including 18 developing countries sponsored by UNESCO and JPDC.
- **6th SGA-SEG-UNESCO-IUGS Short Course on African Metallogeny, Gold Deposits:** from Exploration to Mining co-organized by UNESCO was held in Yamoussoukro, at the INP- HB (Institut national polytechnique Félix Houphouët-Boigny), Ivory Coast, from 28<sup>th</sup> October to 1<sup>st</sup> November 2019. The short course gathered 130 participants from 8 countries. It was largest SGA short course on African Metallogeny the geological surveys of Ivory Coast, Ghana, Niger, Burkina Faso sent delegates to join the meeting. Foreign PhD and Master students, and junior scientists from

Cameroon, Nigeria, Senegal and Algeria could join the meeting thanks to generous sponsoring of UNESCO.

- **2nd Conference of Arab Geoscience Journal in Sousse – Tunisia** (25 – 29 November 2020). Five early careers scientists from Ethiopia, Kenya, DR Congo, Sudan and South Africa participate in this conference and IGCP 659 field trip with the financial support of UNESCO.
- **IGCP 672** - Himalayan Glaciers and risks to local communities Field training to Ponkar Glacier, Nepal, from 5 to 16 November 2019. Two early career scientists from India and Nepal were sponsored UNESCO Secretariat to join to this field course.
- **IGCP 679** - Cretaceous Earth Dynamics and Climate in Asia, 11-17 October 2019, Qingdao, Shandong Province, China: Two early career scientists from Thailand and Nepal were sponsored by UNESCO Secretariat to join to this field course.

**IGCP outreach and visibility:** The IGCP Secretariat participated in International Conferences to disseminate the achievements of the IGCP at the:

- 9<sup>th</sup> Global geoparks network conference in Italy in 2018,
- Asia Pacific Global Geoparks Network conference in Lombok, Indonesia in September 2019,
- Deep-time Digital Earth Forum (25 Feb 2019-02 March 2019 Beijing, China),
- 2018 and 2019 European Geosciences Union General Assembly (Vienna, Austria),
- 11<sup>th</sup> Jeju Water World Forum (Jeju Island, Korea) in October 2018. New IGCP brochures and posters designed and distributed during these conferences.
- IGCP Secretariat published new international publications [including Korean journal of geosciences](#) as well as [Geological Society of London](#) to disseminate the impact of the IGCP.

**IGCP vision and special topics:** IGCP Council also adopted a new vision and special topics for prioritization in the IGCP call for project proposal and added [new topics to the IGCP](#), these are aiming to better connect IGCP with Geoparks and societal challenges.

**IGCP funding:** UNESCO IGCP Secretariat and IUGS worked closely for the funding of IGCP projects jointly. IGCP projects received funding from IUGS, UNESCO, Chinese Academy of Sciences and since 2018 Jeju Province Development Corporation (JPDC). UNESCO IGCP secretariat, in collaboration with IGCP Council members focused on the resource mobilization activities to extend the portfolio of IGCP projects. As a result, on the 20<sup>th</sup> February 2018, UNESCO and the Jeju Province Development Corporation (JPDC) of the Republic of Korea signed a project partnership agreement entitled “Geoscience for Society: JPDC supporting the International Geoscience and Geoparks programme” through which the JPDC will contribute 100,000 USD to support IGCP projects and UNESCO Global Geoparks over the next five years.

Below table shows IUGS and UNESCO financial contributions to the IGCP projects between 2017 and 2020 (table 1 and figure 1 show IGCP projects funding changes between 2015 and 2020 with considerable increase in 2018 thanks to new donations from the JPDC of Republic of Korea).

	2017	2018	2019	2020
Total funding received by IUGS	60,000	60,000	60,000	59,031
Total funding allocated t IGCP projects	102,000	139,500	185,250	121,864 in 2020 104,000 in 2021
Number of IGCP projects received funding from UNESCO and IUGS	21	23	27	36

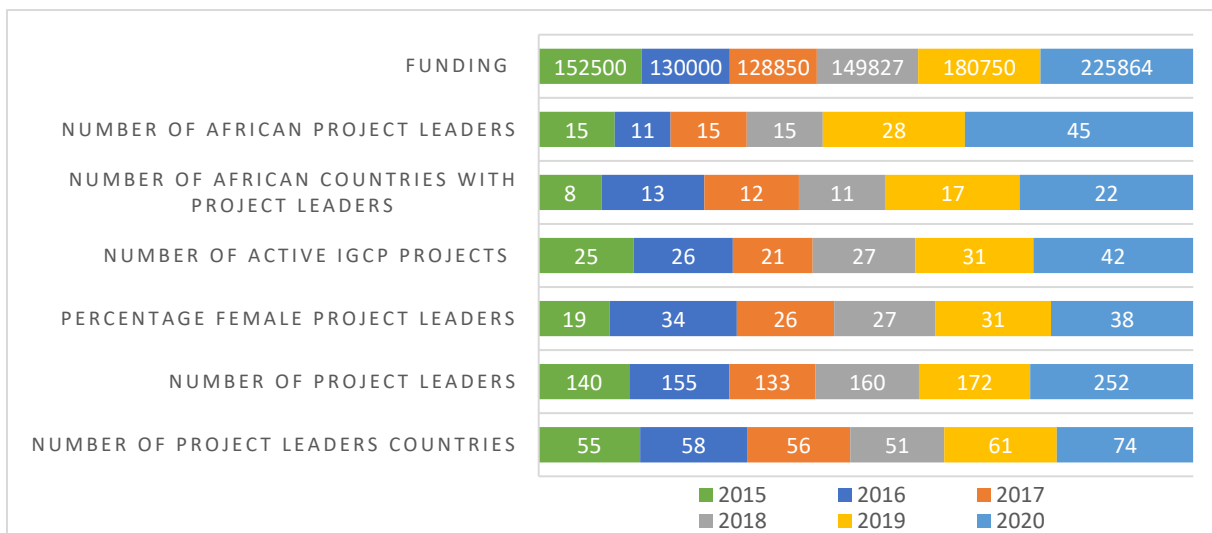


Figure 1: IGCP projects details since 2015 to 2020

**IGCP Demographics:**

Overall analysis of IGCP project 2017, 2018, 2018, 2019 annual reports and the IGCP project details of the 2020 active projects confirm the trend observed during the last six years which shows that IGCP project outreach and diversity have increased continuously over the years (Figures 2, 3,4,5). Gender equality is one of UNESCO’s priority areas, and the IGCP projects show very promising results, with women comprising of a total of 34% of all participating scientists in 2019 (Figure 2). Additionally, the IGCP project details of 2020 indicates that 38% of the project leaders of the active projects are women (Figure 3).

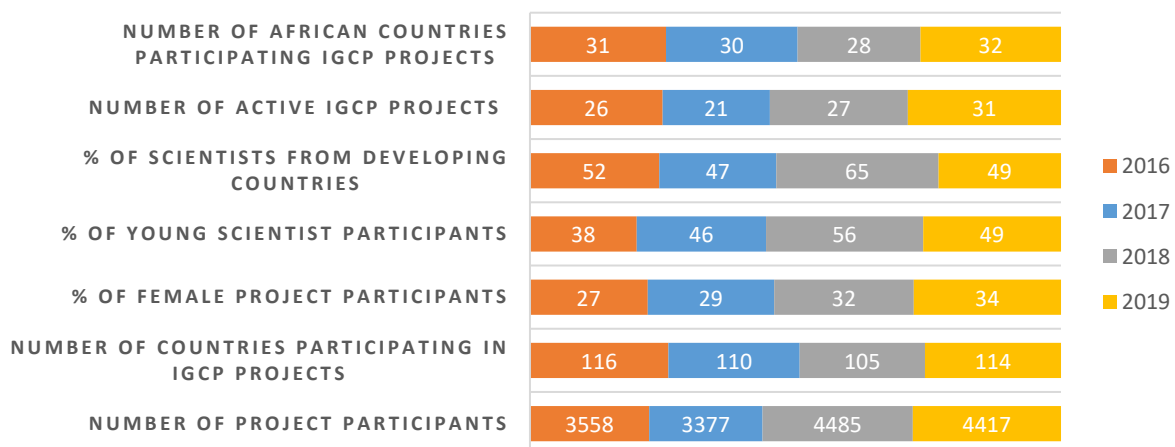
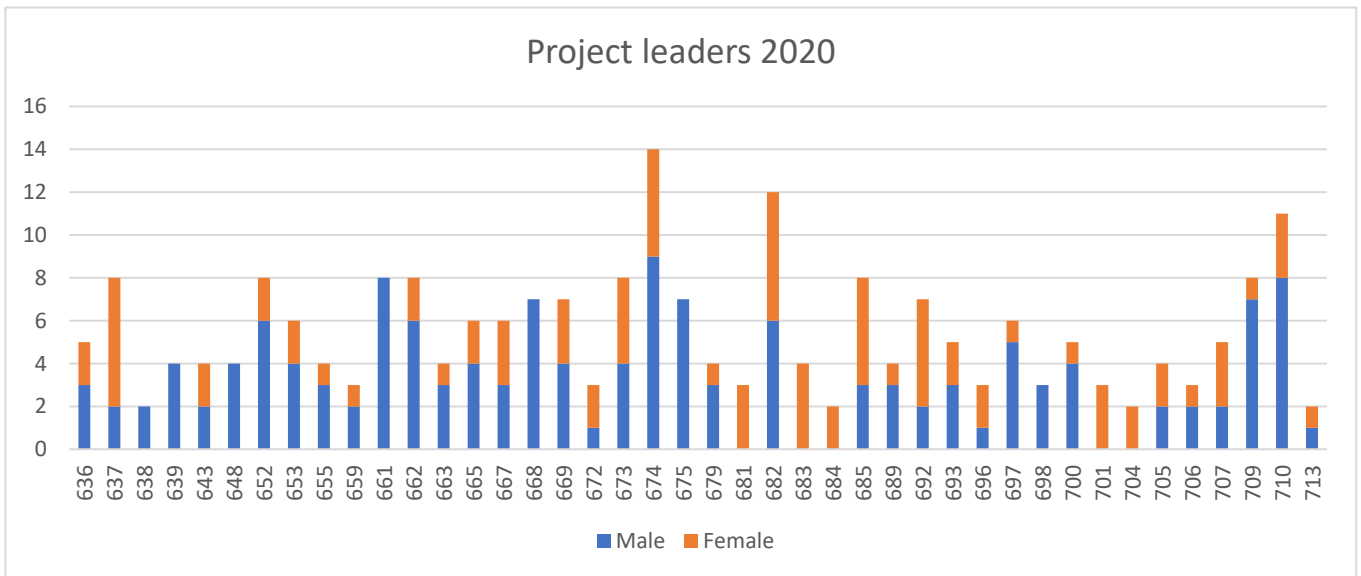
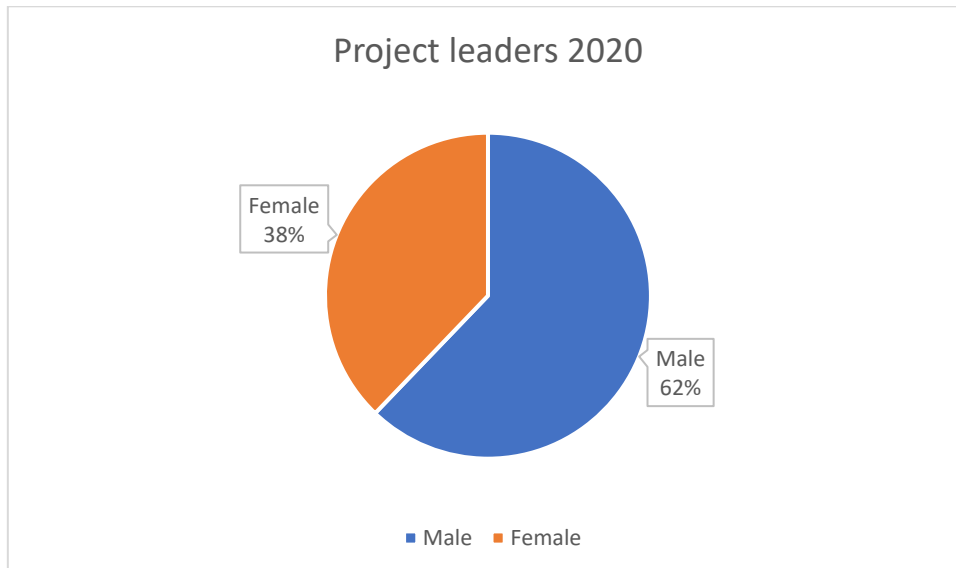


Figure 2: IGCP projects and participants details since 2016 to 2019



**Figure 3:** Number of project leaders and gender distribution of the 2020 active IGCP projects



**Figure 4:** Gender project leaders IGCP projects 2020



**Figure 5:** Project leaders countries 2020