



United Nations
Educational, Scientific and
Cultural Organization



International
Geoscience
Programme



International
Union of Geological
Sciences

Geodynamics (Deep Earth): Control of our Environment

Highlights (2015): George M. Gibson

INTERNATIONAL GEOSCIENCE PROGRAMME IGCP

IN THE SERVICE OF SOCIETY

Geodynamics – 2015 Project Statistics

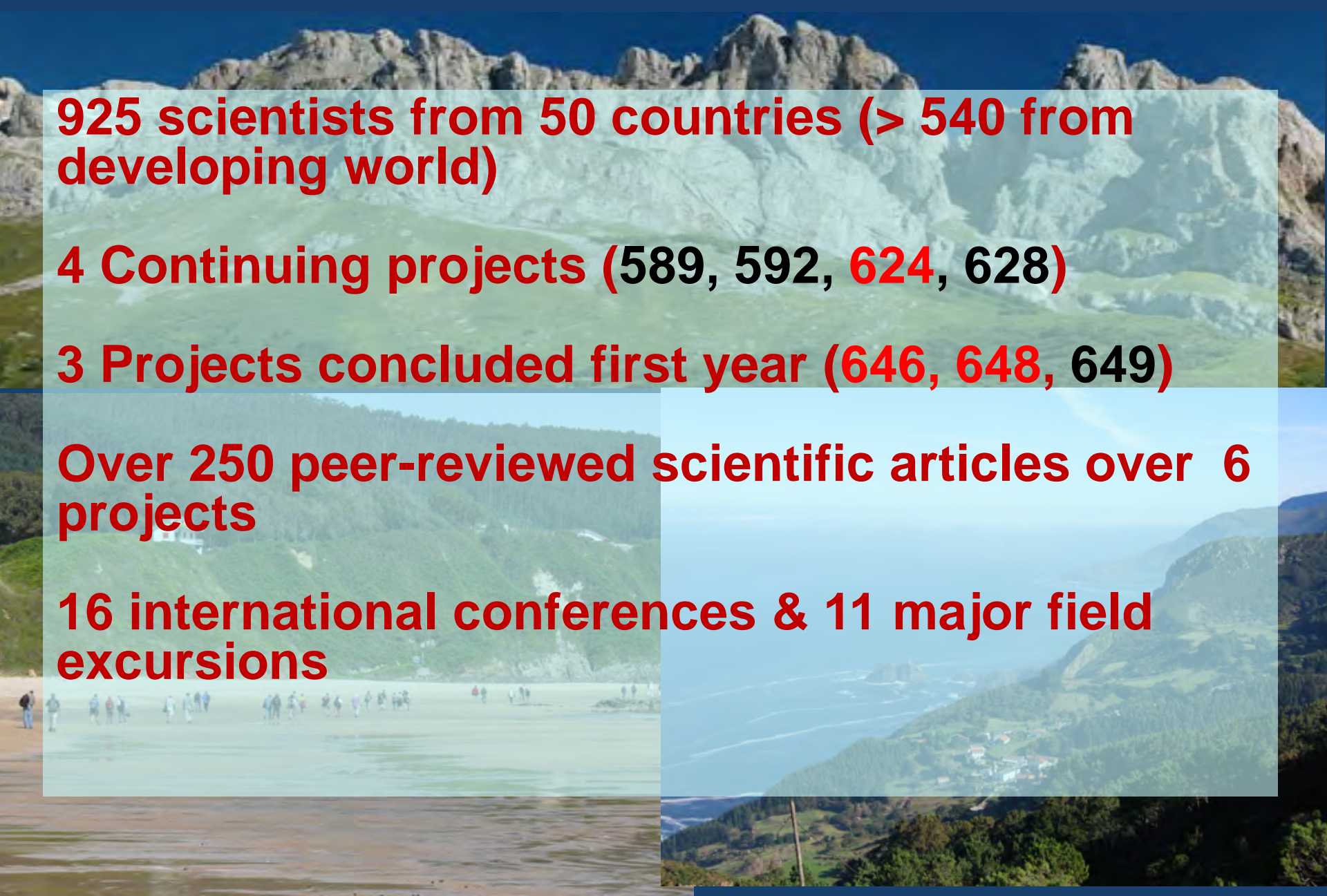
925 scientists from 50 countries (> 540 from developing world)

4 Continuing projects (589, 592, 624, 628)

3 Projects concluded first year (646, 648, 649)

Over 250 peer-reviewed scientific articles over 6 projects

16 international conferences & 11 major field excursions



IGCP-589 Development of the Asian Tethyan Realm: Genesis, process and outcomes

- Final year of project (2012-2016)
- 58 peer-reviewed papers in 2015
- Successful 2015 IGCP symposium and field workshop in Bangkok; next in Myanmar (2016) to reinvigorate collaboration with international geoscience community
- Forging close links with IGCP 592 (Central Asian Orogenic Belt) & IGCP 628 (Gondwana Map)
- Commitment to public education and geological heritage protection



Bangkok, 2015



Field geology Thailand, 2015

IGCP592: "Continental construction of the Altaids (Central Asian Orogenic Belt) – "borrowing actualistic examples from the Western Pacific"



2nd International Workshop on Tethyan Orogenesis & Metallogeny in Asia & Silk Road Higher education Cooperation Forum



First China-Russia International Meeting on the CAOB and the IGCP 592 Workshop



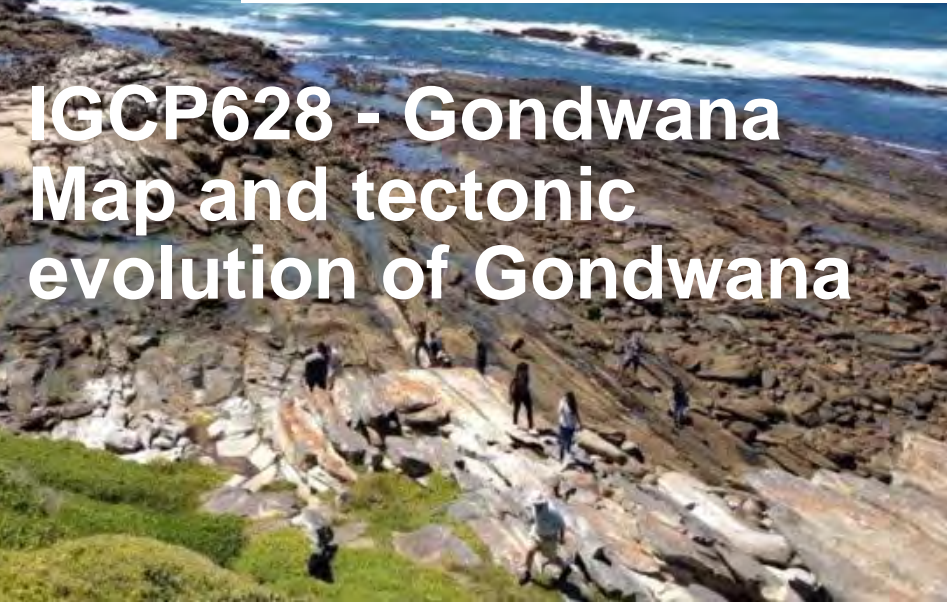
- **Completed (4 yrs)**
- **112 peer-reviewed articles in 2015 alone (2 journal special volumes)**
- **Excellent track record in student training & capacity building, especially central Asia**
- **Strong links, including shared conferences, with IGCP projects 589; 600 628; 630; 649**
- **3 major international conferences & workshops, incl. first China-Russia meeting on CAOB (Beijing, 2015)**
- **Seeking one year extension for 35th IGC & GSL Special Volume on CAOB**

Gondwana Map Version 2.0 - reconstructed using GPlates

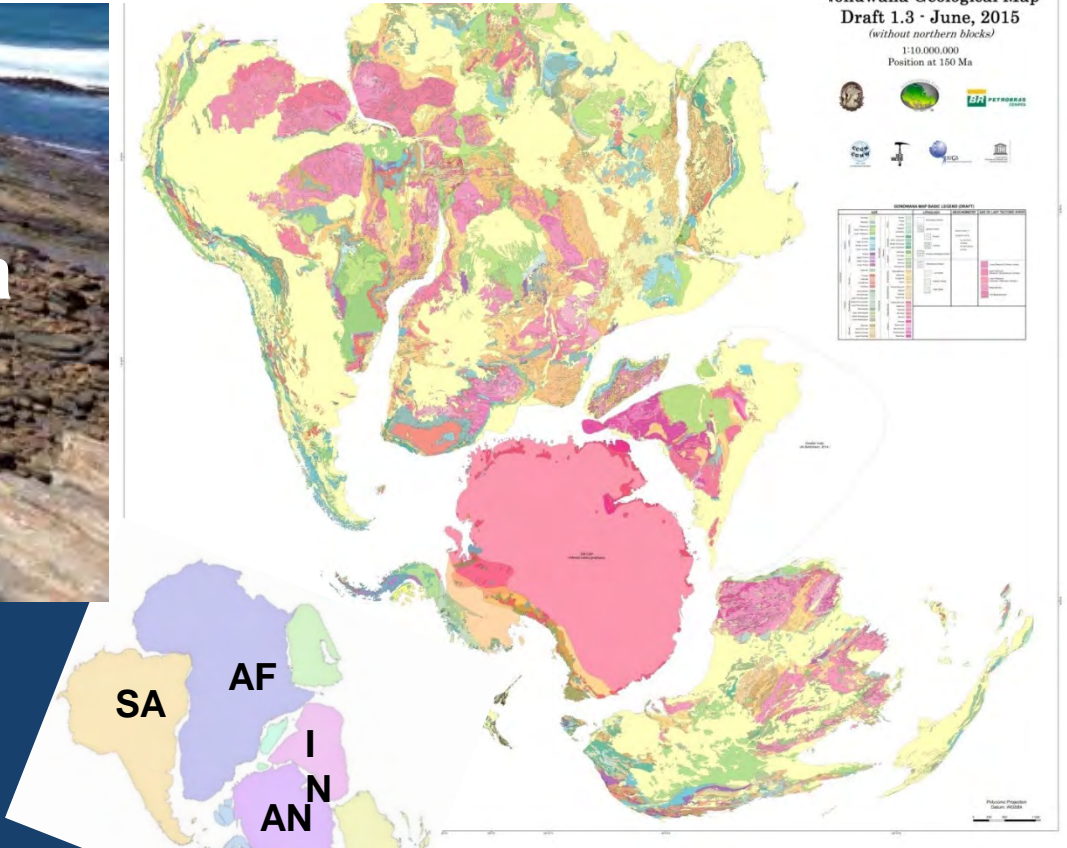
GONDWANA PROJECT
Gondwana Digital Center of Geoprocessing (GDCG)

Gondwana Geological Map
Draft 1.3 - June, 2015
(without northern blocks)
1:10,000,000
Position at 150 Ma

Symbol	Block Name	Age (Ma)	Color
Yellow	SA	150	Yellow
Purple	AF	150	Purple
Green	IN	150	Green
Pink	AN	150	Pink
Blue	AU	150	Blue



IGCP628 - Gondwana Map and tectonic evolution of Gondwana



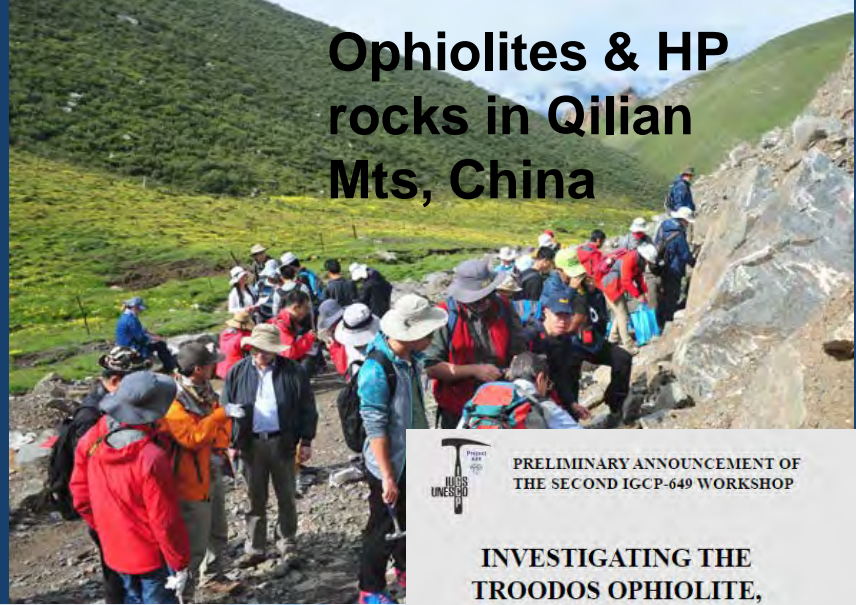
Training workshop - Imbizo, SAfrica

- 2nd year (2014-2018)
- **Principally map based products**
- Training & capacity building in map software (Geoplates)
- **Version 2.0 of map to be on display at 35th IGC**



IGCP 649 – Diamonds & recycled (crust) mantle

- Cutting edge geoscience; two special issues on project in 2015 (*Gondwana Res* & *J. Asian Earth Science*)
- 101 out of 106 researchers from developing world
- Successful field workshop in Qilian, China, abstract volume (*Acta Geol Sinica*)
- 2016 Meetings in Cyprus & 35th IGC, Capetown, S Africa



Ophiolites & HP rocks in Qilian Mts, China



PRELIMINARY ANNOUNCEMENT OF THE SECOND IGCP-649 WORKSHOP

INVESTIGATING THE TROODOS OPHIOLITE, CYPRUS

Organized by IGCP-649 Project
May, 14th-20th, 2016

IGCP-649 Workshop on: Ophiolite and Related High-Pressure Rocks

