

# INTERNATIONAL GEOGRAPHICAL UNION (IGU / UGI)

# COMMISSION ON LAND DEGRADATION AND DESERTIFICATION (COMLAND)



# **REPORT OF ACTIVITIES 2022**

Matija Zorn (Chair) and Owen Graham (Secretary)

December 2022

www.comland.org

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The Commission on Land Degradation and Desertification (COMLAND) is a Commission of the International Geographical Union (IGU). See <a href="http://igu-online.org/">http://igu-online.org/</a> for further information on the IGU.

#### 0 PURPOSE AND SCOPE OF COMLAND

Most environments are affected by common factors that favour and increase land degradation processes. Two main topics are widely responsible: a) climatic conditions and changes, and b) anthropic impacts through land use. There is an urgent need to achieve a better practical and theoretical understanding of land degradation processes which affect the world's landscapes. In order to achieve these objectives, the working plan of the Commission is as follows:

- to promote and coordinate interdisciplinary research on land degradation and desertification in our changing global environment;
- to study the effects of environmental change, both natural and human-induced, and their implications for land degradation and desertification;
- to conduct regional case studies under different climatic regimes and environmental risks (forest fires, floods, river channel changes, soil erosion, water depletion, water quality), study the planning and design of conservation measures and the potential conflict between ecological sustainability and economic viability;
- to alert authorities as to the importance of adequate surveillance of land degradation processes;
- · to develop and communicate the best techniques for monitoring changes and collecting data, and
- to sponsor and support activities leading to the exchange of information regarding land degradation and desertification.

#### I COMLAND MEMBERSHIP

#### **Steering Committee**

Chair:

Assoc. Prof. Matija Zorn

Anton Melik Geographical Institute, Research Centre of the Slovenian Academy of Sciences and Arts, Ljubljana,

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#### Secretary:

Mr. Owen Graham

(Formerly) Sydney Metropolitan Catchment Management Authority (retired), Sydney, **Australia** owen.comland@gmail.com

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GRAM (Environmental Mediterranean Research Group), Department of Physical Geography and Regional Analysis, Faculty of Geography and History, Universitat de Barcelona, Barcelona, **Spain** xubeda@ub.edu

Assoc. Prof. Andrea Vacca

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Assoc. Prof. Lea Wittenberg

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# **COMLAND MEMBERS – members per country**

		ers per country		
(country unknown)	30	Korea, Rep.	3	
Australia	27	New Zealand	3	
USA	22	Slovenia	3	
Poland	18	Canada	2	
China	17	China, Rep. (Taiwan)	2	
United Kingdom	15	Thailand	2	
Israel	13	Albania	1	
Germany	12	Algeria	1	
Iceland	11	Argentina	1	
Brazil	8	Belgium	1	
Italy	8	China (Hong Kong)	1	
India	9	Greece	1	
Netherlands	6	Iran	1	
Portugal	6	Ireland	1	
South Africa	6	Mexico	1	
Spain	6	Mongolia	1	
Japan	6	Nigeria	1	
France	5	Romania	1	
Hungary	5	Russia	1	
Austria	5	Singapore	1	
Armenia	3	Sweden	1	
Chile	3	UAE	2	
Finland	3	Turkey	1	
TOTAL	277		•	

People are welcome to join COMLAND by sending their name, affiliation, country and email via the "Contact" page on the *www.comland.org* website. Members will be sent emails on an irregular basis advising of meetings and other relevant matters including messages from the IGU.

#### II MEETINGS & ACTIVITIES

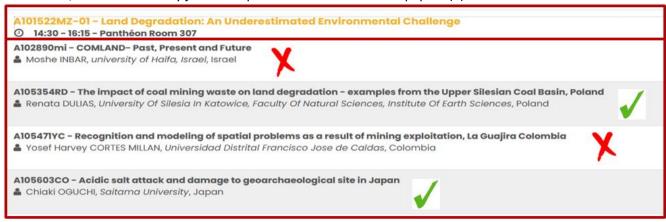
#### 2022

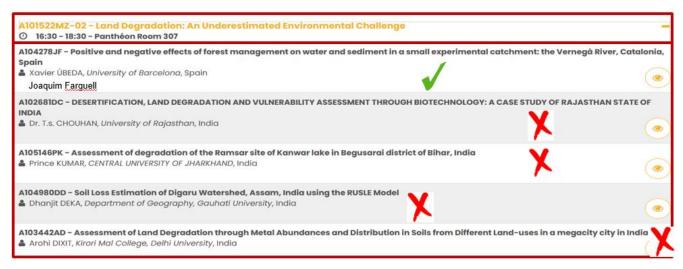
#### 1) IGU Paris 2022: Time for Geographers – Paris, France. July 18–22, 2022

COMLAND hosted a session titled "Land Degradation: An Underestimated Environmental Challenge" that was chaired by three COMLAND Steering Committee members (Owen Graham, Andrea Vacca and Matija Zorn). Along with the session a Business Meeting of the commission was also held at the conference.

#### The session

The session and the business meeting were organised on July 21, 2022. For the session nine papers were announced, but unfortunately just three presenters delivered their papers (\*):





The issue of "no show" by presenters was not just a problem of our session but of the whole conference.

(\*) A late apology was received advising that Moshe Inbar would be unable to attend.



Figure: Some attendants at the COMLAND session (Photo: Matija Zorn).

#### **Business meeting**

At the business meeting the chair presented the Commission activities in 2021 and 2022 as well as possible future activities:

- a session and a business meeting at the EUGEO Congress (Barcelona, Spain, September 4–7, 2023);
- a session, excursion and a business meeting at the IGU 2024 congress (Dublin, Ireland, August 25–30, 2024);
- workshop with an excursion on the topic of desertification; together with the IGU Commission on Sustainability of Rural Systems (Djelfa, Algeria, 2024).

# 2) International Association of Geomorphologists (IAG) Conference on Geomorphology – Coimbra Portugal. September 12–16, 2022

COMLAND financially supported the IAG Intensive Course for Young Geomorphologists "Geomorphological Changes in Fire Affected Landscapes: Field and Laboratory Techniques for Soil Erosion Analysis".

COMLAND was well represented on the pre- and post- Conference field trips to Cape Verde as well as Minho & Galicia.



Geomorphological changes in fire affected landscapes: field and laboratory techniques for soil erosion analysis.

ICG 2022 IAG-EGU Intensive Course for Young Geomorphologists

17-20 September 2022

António Vieira António Bento-Gonçalves Sílvio Rodrigues (Coordinators)



ICG 2022 IAG-EGU Intensive Course for Young Geomorphologists on "Geomorphological changes in fire affected landscapes: field and laboratory techniques for soil erosion analysis"

#### Programme Committee

António Vieira, University of Minho, Portugal
Sílvio Rodrigues, Federal University of Uberlandia, Brazil
Marta Della Seta, Sapienza University of Rome, Italy – IAG Training Officer
Susan Conway, University of Nantes, France
Marisa Palucis, Dartmouth College, USA
António Bento Gonçalves, University of Minho, Portugal
José Rocha, University of Minho, Portugal
Sarah Santos, University of Minho, Portugal
Adélia Nunes, University of Coimbra, Portugal
Isabel Paiva, University of Coimbra, Portugal

#### Organisation Committee

António Vieira, University of Minho, Portugal
António Bento Gonçalves, University of Minho, Portugal
Silvio Rodrigues, Federal University of Uberlandia, Braz\(\)
Saulo Folharini, University of Minho, Portugal
Sara Silva, University of Minho, Portugal
Jorge Novais, University of Minho, Portugal
Jorge Novais, University of Minho, Portugal
Tiago Marques, University of Minho, Portugal

#### Supporting and organizing Institutions:

IAG – International Association of Geomorphologists EGU – European Geosciences Union

APGeom Portuguese Association of Geomorphologic

COMLAND - The Commission on Land Degradation and Desertification of the International Geographical Union (IGU)

GFG - French Geomorphology Group

Figure: COMLAND was acknowledged in the course booklet stated as a supporting organisation.

At the conference a COMLAND Steering Committee member Sunil Kumar De was elected the IAG president.

3) IGU Thematic Conference on "Sustainability, Future Earth and Humanities: Opportunities and Challenges" - Mahendergarh, India. November 24–25, 2022
COMLAND was amongst the IGU commissions sporting the event.

# III NETWORKING AND COLLABORATION:

#### **Other IGU Commissions:**

COMLAND has an active working relationship with the Commission on Hazard and Risk and is developing such relationship with the Commission on Land Use and Land Cover Change, Commission on Geography for Future Earth and Commission on Sustainability of Rural Systems.

### IV PUBLICATIONS

COMLAND continues to publish papers from its sponsored sessions and conferences, with most appearing in international peer reviewed journals. This is on an opportunistic basis.

The COMLAND website is maintained by the COMLAND Secretary and operational costs are covered through IGU grants. The COMLAND website contains information that includes upcoming and past meetings, the Steering Committee, awards, reports and publications. The website contains all of COMLAND's available archival information. Web URL: <a href="https://www.comland.org">www.comland.org</a>

COMLAND Members receive occasional emails that publicise upcoming COMLAND and some IGU events. Members are referred to the COMLAND website for the latest information on matters. This communication takes the place of newsletters.

### V ARCHIVAL CONTRIBUTIONS:

Archival material is available from the Commission's Annual Reports. These usually include relevant photographs from meetings, field excursions and other events.

#### VI USE OF IGU GRANTS:

The IGU Grant to COMLAND is used for operational expenses in maintaining the COMLAND website on a commercial platform (*www.comland.org*) which includes domain registration expenses, website hosting and internet access charges.

COMLAND has also supported events/conferences that are relevant and/or advantageous to COMLAND's interests. The COMLAND Steering Committee has agreed that these funds are allocated to events to support the active attendance of young scientists. It is usually at the discretion of the event organisers on who and how these funds are allocated or pooled. This means that any COMLAND funding support is usually to event organisers and not directly to individuals. COMLAND seeks recognition through verbal and/or written acknowledgement and use if its logo where possible.