

Formation of the International Society for the Barcode of Life



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>4000 barcoding papers

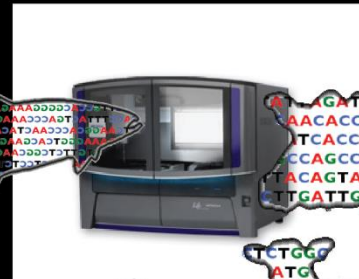
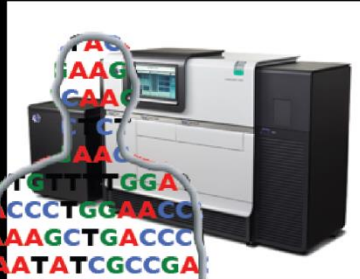
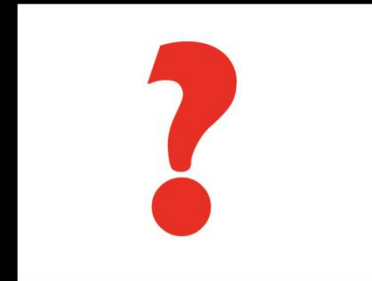
> 72,000 citations

> 14,000 users of BOLD from >1000
institutes from 94 countries

> 4 million barcode sequences

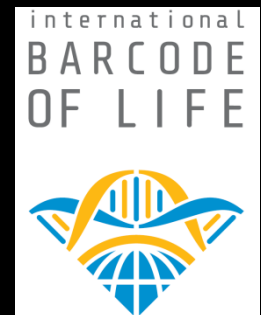
> 500,000 species sequenced

The second decade..



Coordination to-date

- Consortium for the Barcode of Life (CBOL)
 - **Building the networks**
 - **Managing data standards**
 - Training and outreach
 - Organising conferences
- International Barcode of Life project (IBOL)
 - **Building a global library**
 - **Building the informatics platform**
 - Training and outreach
 - Organising conferences







South Africa



Argentina



Europe



Canada

China



Kunming



Kunming Declaration on the Promotion of DNA Barcoding and Biodiversity Science

关于促进DNA条形码和生物多样性科学的昆明宣言

October 31, 2013

Context

Two large-scale collaborations, the Consortium for the Barcode of Life (CBOL) and the International Barcode of Life project (iBOL), have created an international scientific community focused on the development and application of short standardised sequences, known as DNA barcoding, to discriminate the world's species.

These collaborations provided the initial organisational structure that built a community of practice through: 1) the promotion of barcoding and biodiversity science; 2) delivery of international training in barcoding and biodiversity research; 3) creation of an informatics platform for barcoding; 4) development of standards; and 5) support for international collaboration, including bi-annual meetings.

Recognition

Recognising the:

- Rapid expansion and diffusion of barcoding;
- Great potential for both scientific and social impacts of barcoding;
- Growth of the international community of practice;
- Need to sustain certain functions provided to date by CBOL and iBOL; and
- Requirement for best practices in governance for the barcoding community;

Declaration

We Declare:

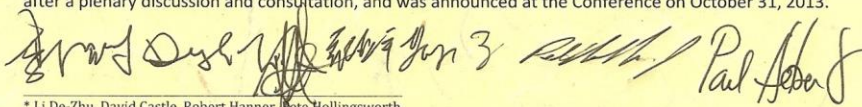
Barcoding is revolutionising how we study and document biodiversity. Advances in barcoding science, its application, and its impacts on society would benefit from having an international coordinating organisation that would promote:

1. Excellence in the science of barcoding of all domains of life;
2. Technological development to maximise the power and efficiency of barcoding techniques;
3. Development and adoption of barcoding applications to meet social challenges through a variety of mechanisms including not-for-profit and commercial activities;
4. Development of a reference library and associated standards including:
 - a. Technical standards for barcoding (markers),
 - b. Interoperability standards (informatics),
 - c. Regulatory standards using barcoding;
5. Accessibility of barcoding data, technologies and publications, recognizing constraints on the use of genetic resources in compliance with international and national laws on access and benefit sharing;
6. Engagement of other partners, including national governments, inter-governmental agencies, the private sector, and non-governmental organisations;
7. Expansion of the global barcoding community and international cooperation with particular attention to the developing world;
8. Development and delivery of training programmes to build global capacity, and integrate barcoding into all levels and types of education.

An *ad hoc* governance committee will be formed and will include the originators* of the declaration and representatives of the diversity of the barcoding community. The *ad hoc* committee will be tasked with establishing the structure, governance and management of the proposed organisation within nine months. A period of open consultation will follow for three months, followed by incorporation of stakeholder views. The committee's activities will lead to the formal launch of the organisation at the 2015 Sixth International Barcode of Life Conference.

This Declaration was agreed upon at the Fifth International Barcode of Life Conference in Kunming, China, after a plenary discussion and consultation, and was announced at the Conference on October 31, 2013.

Signed by



* Li De-Zhu, David Castle, Robert Hanner, Pete Hollingsworth

Kunming Declaration - Recognition

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-
-would benefit from an international coordinating organization

Pre-conference workshop in Guelph

- Clarify the scope of an *International Society for Barcode of Life (ISBOL)*
- Agree implementation procedure

ISBOL – form and function

ISBOL should...

- Speak for the community (authoritative advocacy; community-wide and regional-wide ownership)
- Deliver on issues where there is a clear need

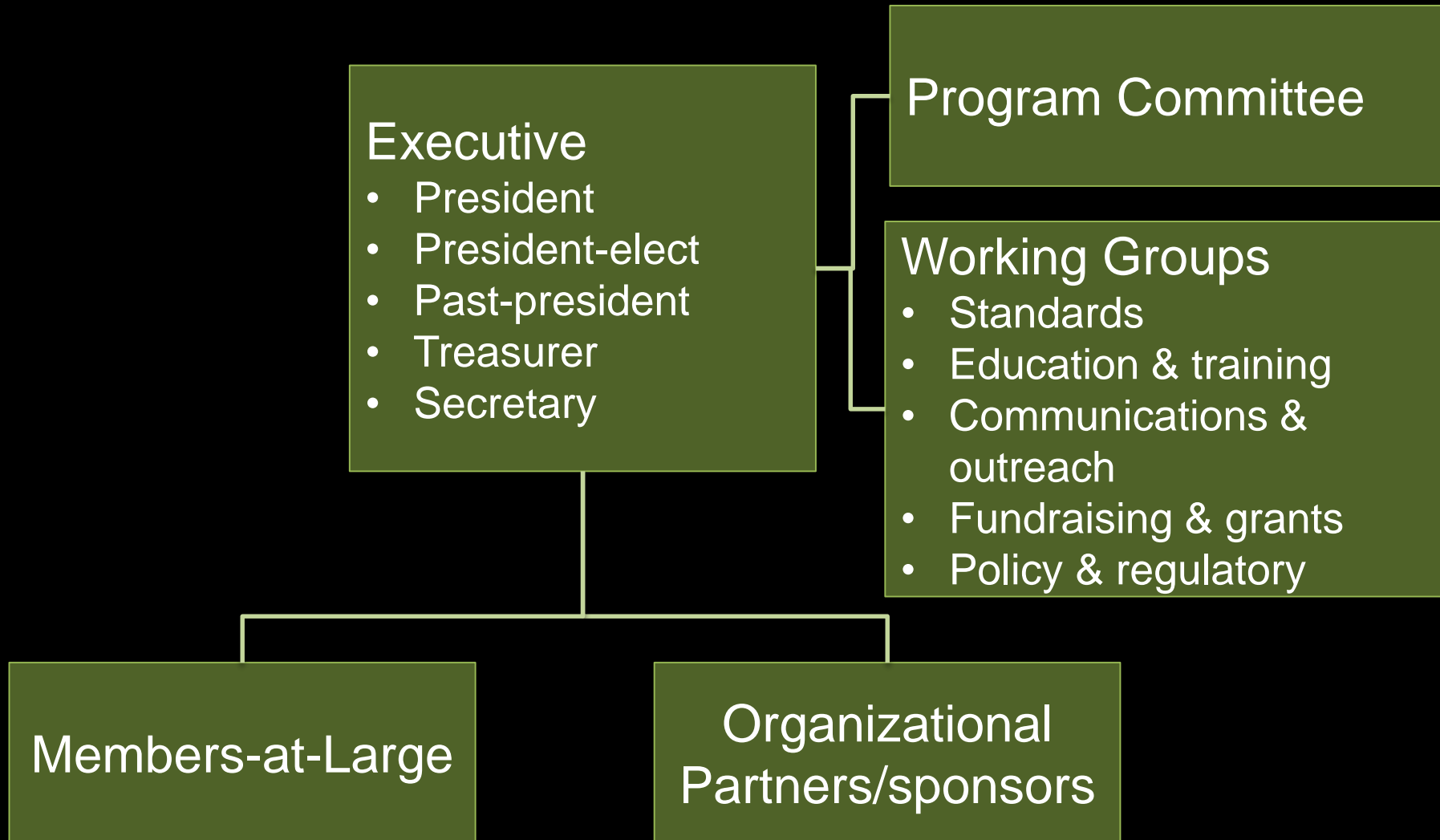
ISBOL functions

- **Conferences:** oversight for biennial conferences
- **Standards:** manage guidance and development of standards
- **Education and training:** provide a central contact point for training opportunities
- **Communication and outreach:** maintain overview of key communication and outreach needs
- **Fundraising and grant writing:** provide resources to help researchers develop funding proposals
- **Policy and regulatory:** provide a central contact point for policy makers/regulators and for the community seeking to influence policy/regulation

ISBOL Membership

- Membership open to all
- Two-year membership
- Normally combined with biennial BOL conference registration fee
- But membership also open to those not attending the conferences

ISBOL Structure





- The International Union for Biological Sciences (IUBS; established 1919 <http://www.iubs.org>) is the major organization representing unified biology globally
- IUBS is the lead organization within the biological sciences cluster of the International Council of Science (ICSU)



Getting started...

Interim Governance Council

- Legally enact the society
- Draft the society articles
- Establish scope of initial working groups
- Enable smooth transition to fully established society
- Support the 7th BOL Conference

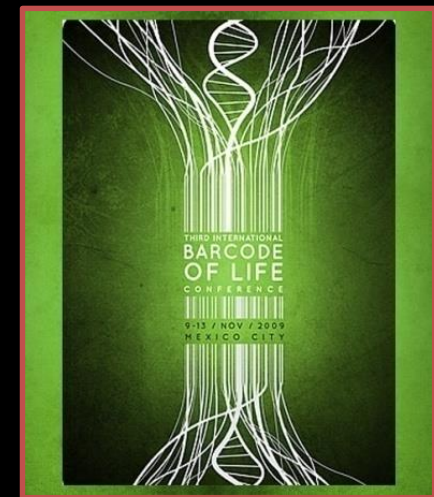
London



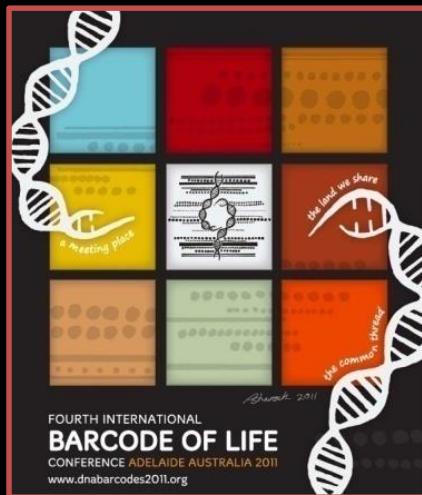
Taipei



Mexico



Adelaide



Kunming



Guelph



Proposal to host:
7th International Barcode of Life Conference
Kruger National Park
South Africa - Sept/Oct 2017



2019 in Argentina?



Proposal for ISBOL

Motion:

The International Society for the Barcode of Life shall be formed

- Participants at the 6th International BOL Conference become the first ISBOL members-at-large, but membership is open

That an interim governance council, consisting of the authors of the Kunming Declaration, and representatives of key regions, organizations (such as IBOL and CBOL) and other major barcoding initiatives, be created and entrusted to develop a:

- Proposed governance structure and related articles for ISBOL that will allow it to be legally recognized and operational; (end of 2015)
- Process and implementation to fill ISBOL executive positions in manner consistent with community preferences; (March 2016)
- Draft mandates for a set of working groups; (March 2016)
- Develop an evaluation process and timelines for subsequent International BOL Conferences; (end of 2015)
- Consultation process to enable effective and timely communication with the community to shape the organization; (ongoing)
- Ratification process for key decisions during the period that the IGC is operational. (Sept 2015)



The International Society for DNA barcoding



Acknowledgements

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