PROJECT PARTNERS

Naturalis Biodiversity Center (Naturalis)

the Netherlands

National Botanic Garden Belgium (NBGB)

Belgium

Botanic Garden and Botanical Museum Berlin-Dahlem, Freie Universität Berlin (FUB-BGBM)

Germany

Pensoft Publishers Ltd (Pensoft)

Bulgaria

Sigma Orionis (Sigma)

France

Royal Botanic Garden Kew (RBGK)

United Kingdom

Plazi (Plazi)

Switzerland

Museum für Naturkunde – Leibniz-Institut für Evolutions- und Biodiversitätsforschung an der Humboldt-Universität zu Berlin (MfN)

Germany

PRO-iBIOSPHERE
WWW.PRO-iBIOSPHERE.EU

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Consortium: 8 partners from 7 countries

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Coordination and policy development in preparation for a European Open Biodiversity Knowledge Management System, addressing Acquisition, Curation, Synthesis, Interoperability and Dissemination

SEVENTH FRAMEWORK PROGRAMME
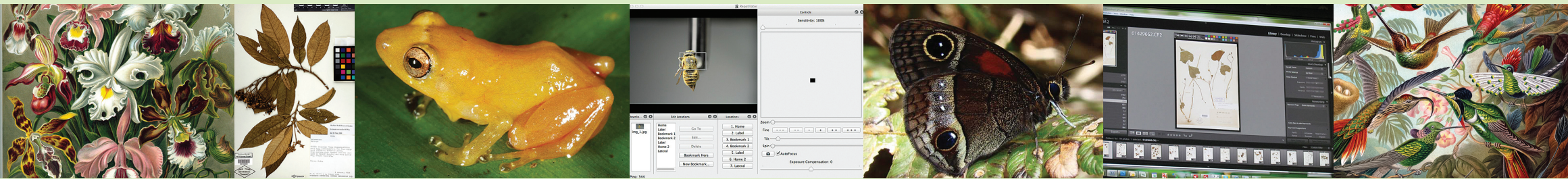
pro-iBiosphere will:

- ✿ **Coordinate towards and prepare the foundations for a long-term viable, evolving knowledge management, aggregation and integration platform.**

- ✿ **Provide new methods to synthesize distributed knowledge and a strategy to adapt methods of acquisition, curation, and dissemination of core biodiversity data and information to the digital era.**

- ✿ **Help to align ongoing and forthcoming semantic mark up of taxonomic literature, and to link elements of biodiversity literature to the original data.**

- ✿ **Promote and monitor the development and adoption of common mark up standards and specifications for making biodiversity knowledge more accessible and re-usable.**

- ✿ **Provide the community with technical solutions for the enhancement and use of these data.**

- ✿ **Analyze and evaluate business models for supporting Open Science and provide recommendations to achieve sustainable delivery of biodiversity information to target audiences.**

- ✿ **Develop and agree on a shared data and IPR policy.**

- ✿ **Promote and increase cooperation between the major biodiversity projects, initiatives and platforms at EU and global levels.**

Main outcomes will be:

- ✿ **White paper for an optimized dataflow, and descriptions of gaps.**

- ✿ **Work plan and roadmap for the semantic integration of biodiversity literature.**

- ✿ **Report on the state and quality of biosystematics documents and survey reports.**

- ✿ **Strategies for improved cooperation and interoperability between infrastructures.**

- ✿ **Strategy for improvement and interoperability of the XML schemas.**

- ✿ **Alternative business models and scenarios for a sustainable Open Biodiversity Knowledge System and recommendations for a sustainable delivery of core biodiversity data and information.**

- ✿ **Draft policy on Open Access for data and information.**

- ✿ **Draft strategy for increased cooperation.**

Pilot studies

Pilot studies will be conducted to facilitate the implementation of an Open Knowledge Biodiversity Management System:

- ✿ **Interoperability model between taxonomic content management platforms, taxon treatment repositories and electronic registers.**

- ✿ **Interoperability model between taxon treatments from both legacy and prospective literature from three organismic domains (fungi, plants and animals).**

- ✿ **Common query/response model for automated registration of higher plants (International Plant Names Index, IPNI), fungi (Index Fungorum, MycoBank) and animals (ZooBank).**

- ✿ **Revision of a tool (CharaParser) that generates identification keys by reusing morphological characters from published species descriptions.**