

CSG 26th Meeting, Chetumal, Mexico

Taxonomy Workshop 4 July 2022

Draft program outline 12 May 2022

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The workshop is by invitation. Interested participants should contact the organizers and must be registered to attend the CSG meeting, go to: <https://www.biodiversidad.gob.mx/planeta/csg2022/> .

The venue is at the main CSG meeting facility (room to be announced) and will be held Monday 4 July 9am-3pm (local Mexican time) with an extended lunch break.

The goal of the workshop is to discuss current issues in crocodylian taxonomy and make general recommendations for consideration by the CSG Steering Committee and members. Participation is limited to members of the CSG Taxonomy working group and invited specialists with direct information on crocodylian taxonomy. The format will be informal with a few short introductory presentations on the major topics and then facilitated discussion. Discussion will include both extinct and extant taxa and issues.

The proposed program topics are the following (subject to revision and suggestions from participants):

1. A general species concept for crocodylians. What special features of crocodylians restrain their species structure and evolution?
2. What criteria should determine species differentiation and description in crocodylians? In particular what balance of morphological, ecological and genetic characters are necessary and sufficient to recognize and define crocodylian species?
3. Can we determine a consensus list of current extant taxa (species) on which we have general agreement that they comply with the preceding considerations and we can propose for CSG endorsement as a stable current species list?

Each topic will receive approximately the same time for discussion (1 hour) and a final hour will be spent summarizing and articulating two meeting outputs;

A proposed standardized species list for crocodylians

Recommendations for future research themes and directions.