

Lake and Reservoir Management Working Group

GLEON18, 4 – 7 July 2016
Gaming, Austria



Participants: Lisa Borre, Miryana Lenhardt, Jan Kubečka, Ilga Kokorite, Laura Grinberga, Dusan Kostić, Facundo Scordo, Karen Moore, Hiroshi Yajima, Bomchul Kim, Matthias Koschorreck, Amina Pollard, Justin Brooke, Cintia M. Piccolo, Jeng-Wei Tsai, Gerardo Perillo, Ami Nishri, Julita Dunalska, Robyn Smyth, Jesper Aagaard Christensen, Justyna Sienska, Patricia Oliveira Antunes, Evanthia Mantzouki, Rafael Marcé

I. The starting point

Do we have an understanding of the reservoirs around the world and the problems they face?

What do we have?

- Water use
- Land use
- Morphology
- Age
- ...

What is going on there?

- Nutrients
- Sediments
- Biology
- ...

II. The big questions

How will climate change affect reservoirs? Will the impacts of climate change differ between reservoirs and natural lakes?



Review paper
Vulnerability of Reservoirs to
Climate Change

III. Review paper: outline

1. Comparing lakes and reservoirs

- Hydrology
- Nutrient loadings
- Sediment dynamics
- Metals
- Biotic communities
- Greenhouse gas emissions

III. Review paper: outline

2. Climate change impacts and responses

Identify drivers of change

- Changes in temperature
- Changes in hydrology



Address **integrated** system responses

- Changes in hydrological regimes
- Changes in chemical/physical parameters
- Biological responses

III. Review paper: outline

3. Suggest adaptation strategies and management options

- Case studies?

IV. Hands on

- Project tracker
- Literature review outline
 - Draft to circulate until end of July 2016
 - Finalised draft until end of September 2016
- Dropbox library for general access
- Skype meetings: monthly
 - First meeting in end of September 2016

IV. Hands on

- Project tracker
- Literature review outline

Is there anyone who would like to share relevant papers and contribute to this project?

- Skype meetings: monthly
 - First meeting in end of September 2016