

## COST Action CA15113 SMIRES

Working Group (WG) 2: Development of guidelines for the design of environmental flows for IRES.

Location and date: University of Evora, Evora, January 30-31 2017.

List of attendants:

<b>Name</b>	<b>Institution</b>	<b>Country</b>
Amandine Pastor	Wageningen University	The Netherlands
Birgitta Malm-Renöfält	Umea University	Sweden
Dídac Jorda-Capdevila	ICTA	Spain
Martina Bussettini	ISPRA	Italy
Michael E. McClain	UNESCO IHE	The Netherlands
Mike Acreman	Cen Ecol Hydrol	UK
Natasa Smolar-Zvanut	Institute for Water of the Republic of Slovenia	Slovenia
Paolo Vezza	International Centre for Ecohydraulics Research	United Kingdom
Thibault Datry	IRSTEA	France
Vicenç Acuña	Catalan Institute for Water Research, ICRA	Spain

Note that Atle Harby (SINTEF, Norway) does not attend the meeting, but has expressed willingness to participate in the manuscript.

**Goal:** to assemble both experts on eflow design and on IRES ecology, to discuss on the best approaches to modify the current eflow design guidelines to properly account for flow intermittency.

**Expected outcome:** manuscript on design of environmental flows for IRES, at a high profile journal (1<sup>st</sup> quartile on Environmental Sciences (miscellaneous)), submitted before July 2017.

## Agenda

### January 30<sup>th</sup> 2017, 1<sup>st</sup> day.

09:00 Welcome to participants, and presentation of the objectives of the SMIRES and of WG2, as well as workshop meeting structure and goal, by VA.

09:10 Round-table presentation of all participants, with 3 to 5 min presentations from each attendant to highlight expertise related with IRES eco-hydrology or with environmental flows design (with or without graphical support).

10:00 Open discussion on workshop structure, and organization of 1<sup>st</sup> day tasks and working groups.

10:20 Coffee break

10:30 *Morning session*. 3 groups focused on different topics to define the background:

1. Review of current implementation of eflows globally (focus on EU), differentiating the different methods to design eflows, if ecological and social aspects are considered, and if flow intermittency is considered or not.
2. Review of most recent research literature on eflows design, again differentiating the different methods to design eflows and how flow intermittency is approached.
3. Review of flow intermittency current and future extent in river networks (focus on EU), and discussion of consequences of ignoring flow intermittency in eflow design.

11:30 Morning session. Summaries of the 3 groups (10 minutes each).

12:00 Lunch break

13:00 *Afternoon session 1*. Brainstorming on how to include flow intermittency in the different methods to design eflow.

15:00 Coffee break

15:20 *Afternoon session 2*. Outline development.

16:30 Summary of achieved agreements during the 1<sup>st</sup> day, with briefings needed on: outline of the manuscript (i), tasks for morning sessions 1 and 2 (ii).

17:00 End of 1<sup>st</sup> day meeting.

**January 31<sup>st</sup> 2017, 2<sup>nd</sup> day.**

09:00 *Morning session 1.* Draft development from outline, in groups or in common (to be decided at the end of day 1<sup>st</sup>).

10:20 Coffee break

10:30 *Morning session 2.* Draft finalization and open discussion on publication strategy, and on responsibilities and schedule of remaining tasks.

12:00 Lunch break

13:00 *Afternoon session.* Summary of workshop on eflows for IRES, with briefings needed on: status of draft (i), publication strategy (journal, authorships, potential dissemination activities to maximize impact) (ii), responsibilities and schedule for remaining tasks to complete the manuscript (iii), potential participation in upcoming SMIRES events, such as the training school on eflows (iv).

14:00 End of 2<sup>nd</sup> day meeting.