

Case study	User	Scale	Transects	Model	Level	Description	Uncertainty
1	EA	Catchment / River reach	10 km / 24 transects	PHABSIM	2 - 3	Simulation of different scenarios	
2	EA	River section Meso-scale		PHABSIM	2 - 3	Interaction with EA	No Validation Missing fish data
3	EA	Catchment River	14 km □ section	BMWP Bioindex	1		
4	RA	Reach scale		STATHAB	2	Restoration Program	
5	RBA	River catchment	Several sample sites	Many different ISIS	3	Construction of migration channel	
6	HPC	Short reach	150 meter	SSIIM / HABITAT	1 - 2	Change in river bed	
7	RA	River reach	Several 25 - 250	RSS	3	Minimum flow	
8	EA	Catchment	No transects	PHABSIM	2	Abstraction of water	Data collection
9	RA	River scale		Hydraulic habitat PHABSIM	2	Instream flow	
10	HPC	Short reach	300 meter	SSIIM / HABITAT	2	Instream flow Habitat improvement	
11	AU	Segment mesohabitat		EVAH, IFIM, HABITAT	3	Validation of models	
12	RA	River reach	Several sites(200meter)	RIVER2D PHABSIM		Habitat improvement	
13	HPC	River reach	Several 10-30 meter	PHABSIM, RHABSIM	3	Instream flow	
14	HPC	River reach	57 transects	R2D, RIVER2D	3	Validation of models	
15	AU	Short river reach		RIVER2D	4	Validation of models	
16	AU	Short reach	Few hundred meter	RIVER2D	4	Validation of models	
17	AU	Short reach	Few meters	ANCOVA	4	Model improvement	

Case study	User	Scale	Transects	Model	Level	Description	Uncertainty
18	EA not governmental	River	Several	CASIMIR	2 - 3	Development of environmental friendly hydropower	
19	HPC	River section	no transects	CASIMIR BHABIM	1 - 2	Environmental impacts assessment	
20	EA	River reach	1400 meter	2D hydraulic model CASIMIR	3	River regulation habitat improvement	
21	AU	3 different river reaches	2000 meter	CASIMIR DELFT3D	4	Habitat improvement	
22	AU	Reach scale	several transects	RHYHABSIM	4	Model development River restoration	
23	EA	Reach scale	18 sites	PHABSIM	3	System improvement	
24	AU	Mesohabitat scale	Transects not mentioned	PHABSIM	4	River restoration	Sensitivity analysis
25	HPC	River		Moving average	1	Instream flow	

EA = Environmental agency
RA = River authority
RBA = River basin authority
HPC = Hydropower company
AU = Academic users

Level 1: result
Level 2: Implication
Level 3: Interaction
Level 4: Model for academic users

Case study 1 refers to section 5.1. Case study 2 refer to section 5.2

Summary:

	1	1-2	2	2-3	3	4	SUM
EA	1		1	3	2		7
RA			2		1		3
RBA					1		1
HPC	1	2	1		2		6
AC						7	7
Sum	2	2	4	3	6	7	

Working group:

Péter Borsányi

Kjetil Arne Vaskinn

Gregory Egger

Timo Yrjänä

Wim Gabriels

Trondheim 2002.06.07

Kjetil Arne Vaskinn