

13th IPSW 2022 Programme

Monday September 19th lecture schedule

The main scientific lecture program is divided into two parallel lecture halls and 5 sessions with these topics:

- **Session 1. Role of passive sampling in biomonitoring**, Chairman Marcel Kotte
- **Session 2. Passive sampling of hydrophobic compounds**, Chairman Kees Booij
- **Session 3. Passive sampling of hydrophilic compounds**, Chairman Sophie Lissalde
- **Session 4. Passive samplers in monitoring programmes**, Chairman Luke Chimuka
- **Session 5. Passive sampling combination with nontarget analysis**, Chairman Ian Allan
- **Passive sampling in sediments**, Chairman Ian Allan

Participants can choose between two parallel lecture halls:

Sessions on Parallel 1

1. Role of passive sampling in biomonitoring
2. Passive sampling of hydrophobic compounds
3. Passive sampling of hydrophilic compounds

Sessions on Parallel 2 – LEF

4. Passive samplers in monitoring programmes
5. Passive sampling combination with nontarget analysis
6. Passive sampling in sediments



Lecture halls on the LEF map

- Lecture hall 1 is marked as Room 13
- Lecture hall 2 is marked as theatre
- All breaks and poster sessions will be in the space marked 'Serre' (means Greenhouse)

Posters flash section:

Together for presentation of 17 poster - each 3 minutes from 4:15 to 5:05 p.m.

Chairman: *Brano Vrana*

Online Participation

All lectures are broadcasted livestream. All recordings will be available on www.ipsw.eu website, online and on-site participants can watch lectures from the second lecture hall later.

Lecture Hall 1 for all

7:45 – 8:45 Registration

9:00 – 9:15 Opening Thomas Ocelka, Rianne van den Meiracker

Parallel Lecture Hall 1

Parallel Hall 1 - Block 1 - 9:00 – 10:30

Chairs: Marcel Kotte/Kees Booij – the Netherlands

Time	ID	Session	Title and Authors
9:15	146	1	Chemometers: an integrative tool for studying chemicals in biota and surrounding abiotic media Presenter: <i>Elisa Rojo-Nieto</i>
9:40	172	1	Calibration of fish bio model for PAHs water monitoring and bioaccumulation studies by implantation of silicone rubber membranes Presenter: <i>Jhon Fredy Narvaez Valderrama</i>
10:05	145	2	Polyethersulfone membrane as a single-phase passive sampler for emerging contaminants in water Presenter: <i>Chiara Scapuzzi</i>

10:30 – 11:00 Break with poster session with tea

Parallel Hall 1 - Block 2 - 11:00 – 12:15

Chairs: Kees Booij – the Netherlands

Time	ID	Session	Title and Authors
11:00	164	2	Using silicone rubbers for measuring textile permeability for organic pollutants Presenter: <i>Jakub Urik</i>
11:25	169	2	A Novel Composite Integrative Passive Sampler for Measuring Polar and Non-Polar Organic Chemicals in Water Presenter: <i>Damian Shea</i>
11:50	148	2	Time-Integration in Equilibrium Passive Samplers: A Mathematical Modeling Approach Presenter: <i>Oindrila Ghosh</i> – online

12:15 – 13:15 Lunch break, Poster session with lunch

Parallel Hall 1 - Block 3 - 13:15 – 14:30

Chairs: Sophie Lissalde – France

Time	ID	Session	Title and Authors
13:15	141	3	Developing a passive sampler for the uptake of very hydrophilic chemicals Presenter: <i>Rory Verhagen</i>
13:40	152	3	Towards the acquisition of reliable mass transfer coefficients of the water boundary layer and the determination of site-specific sampling rates for hydrophilic passive samplers Presenter: <i>Vick Glanzmann</i>
14:05	155	3	Towards an Improved Chemcatcher-based Method for the Integrative Passive Sampling of Hydrophilic Micropollutants in Surface Water Presenter: <i>Naomi Reymond</i>

14:30 – 15:00 Break with poster session with afternoon tea

Parallel Hall 1 - Block 4 - 15:00 – 16:15

Chairs: Sophie Lissalde – France

Time	ID	Session	Title and Authors
15:00	158	3	Laboratory and field evaluation of Persistent and Mobile Organic contaminants (PMOC) partition coefficients with 8 different sorbents Presenter: <i>Joseph Clokey</i>
15:25	167	3	Characterising equilibrium passive sampling of polar organic contaminants in water using extraction disks Presenter: <i>Branislav Vrana</i>
15:50	139	3	Development and application of a membrane assisted solvent extraction-molecularly imprinted polymer based passive sampler for monitoring of selected pharmaceuticals in surface water Presenter: <i>Luke Chimuka</i>

Lecture Hall 1 for all

16:15 – 17:05 **Posters flash section** - 17 posters each 3 minutes, leads Brano Vrana – Czech Republic

17:05 – 17:15 **Closing remarks**

17:15 – 18:00 Break with poster session with drinks

Parallel Lecture Hall 2

Parallel Hall 2 - Block 1 - 9:00 – 10:30

Chairs: Luke Chimuka – South Africa

Time	ID	Session	Title and Authors
9:15	151	4	Summer to Winter in the River Wandle – a six-month temporal study using a multi-modal 3D printed miniaturised passive sampler Presenter: <i>Alexandra Richardson</i>
9:40	157	4	Large-scale surveillance of hydrophobic contaminants in the Lake Geneva basin and investigation of pollution sources Presenter: <i>Fabienne Pfeiffer</i>
10:05	147	4	Sampling contaminants in the Ligurian Sea using a POCIS-like sampler with a novel polyester membrane Presenter: <i>Henry MacKeown</i>

10:30 – 11:00 Break with poster session with tea

Parallel Hall 2 - Block 2 - 11:00 – 12:15

Chairs: Luke Chimuka – South Africa

Time	ID	Session	Title and Authors
11:00	165	4	Hands-on experience in application of passive sampling monitoring: the point of view of Environment Agency of Trento (Italy) Presenter: <i>Paolo Negri</i>
11:25	143	4	Passive sampling enabled detection of more pesticides than grab and event-driven sampling Presenter: <i>Verena Schreiner</i>
11:50	156	4	Technical design and optimisation of semi up scaled polymer inclusion-based-passive sampler for value recovery of precious and semi-precious metals from mine wastewater Presenter: <i>Heidi Richards</i>

12:15 – 13:15 Lunch break, Poster session with lunch

Parallel Hall 2 - Block 3 - 13:15 – 14:30

Chairs: Luke Chimuka – South Africa/Ian Allan - Norway

Time	ID	Session	Title and Authors
13:15	174	4	Occurrence and distribution of pesticides and pharmaceuticals in two chalk streams in the UK using the Chemcatcher passive sampler Presenter: <i>Rosamund Robinson</i>
13:40	176	4	Calibration of pesticides adsorbed on passive sampler (POCIS) deployed in a small Alpine stream Presenter: <i>Anna Casari</i>
14:05	153	5	Combining passive sampling and non-targeted screening (NTS) for assessing PFAS contamination in groundwater Presenter: <i>Elvio Amato</i>

14:30 – 15:00 Break with poster session with afternoon tea

Parallel Hall 2 - Block 4 - 15:00 – 16:15

Chairs: Ian Allan - Norway

Time	ID	Session	Title and Authors
15:00	163	5	Quo Vadis POCIS? Examples of passive samplers exploitation for multiple purposes. Presenter: <i>Roman Grabic</i>
15:25	142	6	Passive sampling method for quantifying amphipod exposure to cationic surfactant in sediment toxicity test Presenter: <i>Sakura Yoshii</i>
15:50	166	6	Comparative Review of Passive Sampling to Conventional Metrics for Evaluating Sediment Remediation Efficacy Presenter: <i>James S. Grundy</i>

Tuesday September 20th

The second day is focused on the application of the technique within a regulatory context and is organized in collaboration with the NORMAN working group on passive sampling. All participants are actively involved in various workshops and discussions, rather than to sit back and listen. The main goal is to find ways forward for the use of passive sampling and for stronger implementation of passive sampling in policies.

8:15	Registration
9.00	Start
9.15	Short intro on passive sampling
9.25	Biggest challenges in water quality on European level Presentations from Helen Clayton (European Commission – DG Environment) and Caroline Whalley (European Environmental Agency).
10.00	Inventorise questions <ul style="list-style-type: none"> - Which questions do policymakers have regarding (the use of) PS? - Which questions do the experts have regarding (putting PS in) policies?
10.15	Short break (time to read the questions)
10.30	Learning more about (the use of) PS 3 rounds (35' each) of parallel workshops (participants can choose freely). Each workshop is given 2 times. Each participant can choose 3 out of the available 6 workshops: <ol style="list-style-type: none"> 1. WFD and water monitoring – A French perspective by Pierre-François Staub 2. A national demonstration of the relevance of passive samplers for water regulatory monitoring by Cecile Miede 3. Examples of water monitoring in Ireland with passive samplers versus grab water samples and outcomes Monitool by Fiona Regan and Stefania Scurtu 4. How PS can be used to identify sites for investigative grab sampling for WFD compliance assessment? by Brendan McHugh 5. A regulatory monitoring program with passive samplers in Czech Republic by Vit Kodes 6. Biota monitoring and passive sampling – an example from the Netherlands by Marcel Kotte and Rianne van den Meiracker
12.30	Lunch With poster sessions
13.30	Challenge: how can we move forward with PS? <ul style="list-style-type: none"> - How to create a stronger basis in policies? - How to combine with biota - Other questions -
15.00	Short break
15.20	Group discussion What have we learned in the workshops?
16.05	Next steps Who wants to work on which next step? All participants can nominate a next step and all participants can joint such a next step They have 15 min to meet and make 1 appointment
16.50	Evaluate and close the meeting
17.00	Drinks & snacks