Exposome expectations in child health

Scientific Organizers
- Peter van den Hazel, International Network on Children’s Health, Environment and Safety
- Stephan Böse-O’Reilly, University Hospital, LMU Munich
- Miriam Weber, Gemeente Utrecht

Topics
- Monitoring Environmental and Mental Health
- Indicators that Describe Child Mental Health and Environmental Health
- Cognitive Development in Children
- Transdisciplinary Work
- Governance Structures
- Social Factors Biological Responses to Physical Exposures (chemical, noise, etc.)
Monday
Theme of the day: Scientific and policy case
Day moderator: Jurgen Ritterhoff
Day chair: Peter van den Hazel

09:30 – 10:00 Arrival, registration
10:00 – 10:15 Welcome and Meeting format technology introduction. Announcements: A short period every morning for the group to catch up on what it is doing, where, when, and how. Nothing elaborate, no speeches, just the facts, nothing but the facts.
10:15 – 10:30 Participants introduction
10:30 – 12:00 Convening on issues of concern [on innovation/identification/needs/challenges] Lecture on social to biological transition
12:00 – 12:30 Overview presentation by Robert Barouki (Unité UMR-S 1124 T3S Inserm-Université Paris Cité)
12:30 – 14:00 Lunch @Snellius restaurant & time for a walk
14:00 – 14:30 Contributed talks on possible topics coming out of the convening sessions in the morning
14:30 – 15:00 Participants provide input on their contribution (3’each + disc.). Formation of 3 teams for the Tuesday sessions. Each team appoints a rapporteur. This might change for each session.
15:00 – 15:30 Coffee break
15:30 – 17:00 Breaking the ice session at Boerhaave museum session
17:30 – Wine and cheese party

Tuesday
Theme of the day: Grand challenge (focus on research)
The exposome research on children’s health is complicated. There are many scientific challenges. These can either be of toxicological, epidemiological, ethical, social, political or other order. The focus today will be on the expected role of science to deal with the exposome challenges in child health. This day will be related to Sub question: How to develop multifactorial and transdisciplinary research approaches to address the impact of exposures (e.g., social inequity, noise, air quality) on the (mental) health of children?

Day moderators: Jurgen Ritterhoff and Ute Meyer

09:00 – 10:00 Recap of the Monday sessions. Each session starts with prioritizing the raised issues. This is the time for the group to figure out what it wants to do.
10:00 – 12:00 Open space session of three interdisciplinary teams focus on research challenges e.g. on monitoring (physical, chemical and social exposures), early warning indicators, public health impact or social inequity issues. Each team set their own priority.
12:00 – 14:00 Lunch @Snellius restaurant & time for a walk
14:00 – 15:30 Open space session of teams giving facts to each other on which indicators (physical, social) we can use [professional moderator needed]
15:30 – 16:00 Coffee break
16:00 – 17:00 Open space session on integration of transdisciplinary approaches in monitoring
17:00 – 17:30  Come together. Look at the need for forming new teams for Wednesday sessions.
17:30 – 18:00  Coffee break
18:00 – 19:30  Working parties evening

**Wednesday**

**Theme of the day: Grand challenge continued (focus on policy making)**

This day will be related to Sub question: *How to use the developed multifactorial and transdisciplinary approaches for crafting policies and programmes (e.g., interventions, implementation) that address the impacts of exposures on the (mental) health of children? This is done for a long term perspective.*

*Day chair: Stefan Böse-O’Reilly*

*Day moderators: Jurgen Ritterhoff and Ute Meyer*

09:00 – 10:30  Open space session of three interdisciplinary teams re-iterating the work of Tuesday and new focus on monitoring and policy making
Invited speaker on use of social indicators in ‘First 1000 days’ programs. Preferably an expert from Scandinavia or the Netherlands

10:30 – 11:00  Coffee break

11:00 – 12:00  Open space session of teams giving facts to each other on issues and suggestions for improvement on 1) how to include monitoring in policies; 2) research challenges linked to policy making; 3) policy making general [professional moderator needed]

12:00 – 14:00  Lunch @Snellius restaurant & time for a walk

14:00 – 15:30  Open space session of three or four interdisciplinary teams re-iterating the work of Tuesday and focus on analysis the two challenges. Start of writing outlines for workshop paper.

15:30 – 16:00  Coffee break

16:00 – 17:00  Open space session of teams giving facts to each other on the outcomes of the previous sessions [professional moderator needed]. Continued writing.

17:00 – 17:30  Come together

18:30  –  Workshop dinner

**Thursday**

**Theme of the day: Case studies**

Several case studies have been in EU-funded Exposome research projects. The previous days we have learned about the scientific and policy case of children’s mental health. This can serve as examples of the integration of science and policy input. We will either existing case studies from Exposome projects or new examples.

*Day moderators: Jurgen Ritterhoff and Ute Meyer*

09:00 – 10:30  Working session on drafting briefs/paper in two to four groups on the challenge and sub-questions.

10:30 – 11:00  Coffee break

11:00 – 12:00  Presentation one or two case studies on implemented program or intervention on child mental health. Continued working session.
12:00 – 14:00 Lunch @Snellius restaurant & time for a walk

14:00 – 15:30 Presenting 2 case studies from current EU Exposome projects on child health and exposome. Provide links to the work of the previous days. Continued working and writing session.

15:30 – 16:00 Coffee break

16:00 – 17:00 Expert exchanges on steps to continue transdisciplinary networking after the workshop

17:00 – 17:30 Come together

17:30 – 18:00 Coffee break

18:00 – 19:30 Working parties evening depending on progress in writing process.

Friday
Theme of the day: Birth of a network
The day will be used to discuss the way forward. What can be done with our results for ongoing or new exposome research project. The ins and out for the launch of a scientific and policy network on children’s mental health and exposome research will be discussed.

Day moderators: Jurgen Ritterhoff and Ute Meyer

09:00 – 10:30 Results presentation (10 – 20’each) on presenting the identified solutions and workshop paper.

10:30 – 11:00 Coffee break

11:00 – 12:00 Review of workshop outcomes. Summary + future agenda

12:30 – 14:00 Lunch @Snellius restaurant & time for a walk

14:00 – 16:00 Optional time for discussions or group activity to review outcomes and discuss next steps, including how to take next steps and how to provide new ideas to a network on Exposome research and child health.

16:00 Closure