EU Research Agenda for the Environment, Climate & Health

Cities and Communities: Promote healthy lives in sustainable and inclusive societies

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Healthy Cities for all: including young and aged citizens
Urban form, urban exposome and health

Adapted from Rydin et al. (2012)
RG 2. Cities and communities - promote healthy lives in sustainable and inclusive societies

- **RG2.1** Healthy Urban Environments
- **RG2.2** Air pollutants in indoor and outdoor environments
- **RG2.3** Noise in living environments
- **RG2.4** Changing work and employment conditions
- **RG 2.5** Digitalisation, changed mobility patterns and effects on environment and health
- **RG2.6** Waste and contaminated sites
Healthy Urban Environments

- Evaluate the effectiveness of knowledge translation of innovative methods and approaches to reduce harmful exposures in urban environments
- Promote healthy living in the urban-suburban-rural continuum
- Development of new exposome tools and methods to estimate in complex urban environments the exposures, health effects and health impact tools for decision making
New neighbourhood Utrecht, NL -> Ambition 5-yr living in good health
Research to promote the new WHO Air Quality Guidelines

- Time and space-resolved assessments of both regulated and unregulated air contaminants to fill gaps in data quantity and quality
- Healthy outdoor and indoor air for children
- Healthy air for abating ageing-related diseases
- Climate change mitigation and zero air pollution action plan – Quantifying the co-benefits of improving air quality
Research to mitigate the health impacts of noise

- Advancing noise exposure assessment for health research
- Health effects of environmental noise
- Biological mechanisms of noise related health effects
Proportion (%) of population exposed to long working hours (≥55 hours/week), 2016, 194 countries (Pega et al EnvInt 2021)

- Climate change, key enabling technologies, the Green Deal and occupational health
- Changing and ageing workforce
- Working time and changing employment patterns
- Monitoring, electronic health records, and surveillance in occupational health
Digitalisation and changing mobility patterns

- Health consequences related to the transformational change of work-life digitalisation
- Environmental consequences of working at home and e-commerce
Waste and contaminated sites

- Assessment of health impacts related to contaminated sites and identification of targeted interventions and recovery
- Identification of safe limits for recycling and safe reuse of products potentially containing toxic chemicals
- Waste water as a mirror of production and consumption of chemicals for promotion of safety and sustainability by design and development of a circular economy
- Planetary health approaches to chemical risks with a focus on ecosystems that support human health
Cities And Communities
Promote Healthy Lives In Sustainable And Inclusive Societies
Quiz

Go to www.menti.com and use the code 35 14 39 4
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