

## **WG1: Networking and Communication**

This Working Group will be organised in subgroups for rural (WG1.1) and urban (WG1.2) applications with the same tasks and activities.

**Tasks:** **T1.1** Inventory of available micrometeorological data and their structure; **T1.2** Data “fairness” and gaps; **T1.3** Creating a Core Pan-European multidisciplinary network of experts for micrometeorological data measurement and assimilation.

**Activities:** **A1.1.1** Inventory of the Action partner data and publicly available data using a questionnaire designed and distributed among partners and potential data holders/suppliers (see 1.2.2.2 FAIRNESS “neighbouring” community). **A1.1.2** Inventory of data content and structure (including metadata). **A1.2.1** Evaluation of data “fairness” and gaps. **A1.2.2** Recommendations for enhanced data “fairness”, measurement, assimilation and gap filling (measurement techniques, format of data, data gaps management, metadata template for urban and rural measurements). **A1.2.3** Recommendations testing for selected data sets. **A1.3.1** Workshop of SPs with expertise in micrometeorological measurements and data assimilation and invited experts.

T1.1

| Name of station/network   | Urban or Rural | Country                | Name and contact of person for further communication how to input your database in Micronet_KSP           |
|---|----------------|------------------------|---|
| BOKU-Met  | rural          | Austria                | Josef Eitzinger; Mirek Trnka; josef.eitzinger@boku.ac.at  |
| BOKU-Met  | urban          | Austria                | Josef Eitzinger; josef.eitzinger@boku.ac.at   |
| Wegener Net   | rural          | Austria                | <a href="https://wegenernet.org/portal/">https://wegenernet.org/portal/</a>                               |
| LK Warndienst VitiMeteo (disease warning network for vineyards) | rural          | Austria                | <a href="https://rebschutzdienst.at/4359/Vitimeteo?m=0">https://rebschutzdienst.at/4359/Vitimeteo?m=0</a> |
| BFW network   | rural          | Austria                | Karl Gartner; karl.gartner@bfw.gv.at  |
| BFW network   | rural          | Austria                | Karl Gartner; karl.gartner@bfw.gv.at  |
| MOCCA   | urban          | Belgium                | Steven Caluwaerts; steven.caluwaerts@ugent.be   |
| Vlinder   | urban & rural  | Belgium                | Steven Caluwaerts; steven.caluwaerts@ugent.be   |
| PMFBL   | urban          | Bosnia and Herzegovina | Goran Trbic; goran.trbic@pmf.unibl.org  |
| M:TEL   | rural          | Bosnia and Herzegovina | mirko.jokic@yahoo.com   |
| ICU-RENNES  | urban          | France                 | Vincent Dubreuil; vincent.dubreuil@univ-rennes2.fr  |
| ICU-RENNES  | urban          | France                 | Vincent Dubreuil; vincent.dubreuil@univ-rennes2.fr  |
| LMSS  | urban          | Germany                | Sigrid Block; sigrid.block@rub.de   |
| RGS II  | rural          | Germany                | Sigrid Block; sigrid.block@rub.de   |
| Balaton   | Rural          | Hungary                | Torma Peter; torma.peter@emk.bme.hu   |
| Fog_Bp  | urban          | Hungary                | Tamás, Weidinger; weidi@staff.elte.hu<br>Ágoston Vilmos, Tordai; tordai@student.elte.hu                   |
| Fog_Siójut  | rural          | Hungary                | Tamás, Weidinger; weidi@staff.elte.hu<br>Ágoston Vilmos, Tordai; tordai@student.elte.hu                   |
| Debrecen_maize  | rural          | Hungary                | Zoltán, Nagy nagy.zoltan@agr.unideb.hu  |
| PALLAG  | Rural          | Hungary                | Laszlo Lakatos; lakatos.laszlo@uni-eszterhazy.hu  |
| Eger/Tokaj network  | Rural          | Hungary                | Laszlo Lakatos; lakatos.laszlo@uni-eszterhazy.hu  |
| ELUXNET   | rural          | Hungary                | Zoltán BARCZA; zoltan.barcza@ttk.elte.hu  |

| Name of station/network      | Urban or Rural | Country     | Name and contact of person for further communication how to input your database in Micronet_KSP   |
|------------------------------|----------------|-------------|---|
| HU-Bug                       | rural          | Hungary     | Zoltan Nagy Principal Investigator for HU-Bug: Nagy.Zoltan@uni-mate.hu Krisztina Pintér, Site collaborator: Pinter.Krisztina@uni-mate.hu ; Laszlo Horvath; horvath.laszlo.dr@gmail.com ; Tamas Weidinger, Collaborator: weidi@staff.elte.hu |
| BpArt                        | Urban          | Hungary     | Imre Salma; salma@chem.elte.hu  |
| AGROMO_Kajászó               | rural          | Hungary     | Zoltan Nagy Principal Investigator for HU-Bug: Nagy.Zoltan@uni-mate.hu; Zoltán BARCZA; zoltan.barcza@ttk.elte.hu  |
| Debrecen_UNIV                | Rural          | Hungary     | Attila-Csaba Dobos; dobosa@agr.unideb.hu  |
| Bucharest network            | urban          | Romania     | Sorin Cheval: sorin.cheval@meteoromania.ro; Alexandru Dumitrescu: dumitrescu@meteoromania.ro  |
| Iasi network                 | urban          | Romania     | Lucian Sfica: lucian.sfica@uaic.ro; Pavel Ichim: ichim.p.pavel@gmail.com  |
| Iasi network                 | urban          | Romania     | Lucian Sfica: lucian.sfica@uaic.ro; Pavel Ichim: ichim.p.pavel@gmail.com  |
| Bacau network                | rural          | Romania     | Lucian Sfica: lucian.sfica@uaic.ro; Pavel Ichim: ichim.p.pavel@gmail.com  |
| BV network                   | rural          | Romania     | Tudose Nicu Constantin; nicuconstantin.tudose@gmail.com   |
| KRON network                 | rural          | Romania     | Tudose Nicu Constantin; nicuconstantin.tudose@gmail.com   |
| NSUNET                       | urban          | Serbia      | Stevan Savic; stevan.savic@dgt.uns.ac.rs  |
| NSUNET                       | urban          | Serbia      | Stevan Savic; stevan.savic@dgt.uns.ac.rs  |
| NSUNET                       | urban          | Serbia      | Stevan Savic; stevan.savic@dgt.uns.ac.rs  |
| NSUNET                       | urban          | Serbia      | Stevan Savic; stevan.savic@dgt.uns.ac.rs  |
| PIS                          | rural          | Serbia      | Ivan Koči; ivan.koci@pisvojvodina.com   |
| Slovakia cities              | urban          | Slovakia    | Kristína Szabóová; kristina.szaboova@shmu.sk  |
| PHYSICUS                     | rural          | Slovakia    | dusan.bilcik@savba.sk   |
| UNI - Lj                     | urban          | Slovenia    | Matej Ogrin; matej.ogrin@ff.uni-lj.si   |
| UNI - Lj                     | rural          | Slovenia    | Matej Ogrin; matej.ogrin@ff.uni-lj.si   |
| Urban Climate Bern           | urban          | Switzerland | Moritz Gubler; moritz.gubler@giub.unibe.ch  |
| Urban Climate Bern           | rural          | Switzerland | Moritz Gubler; moritz.gubler@giub.unibe.ch  |
| Trabzon network              | urban          | Turkey      | Fatma Hoş Çebi; hos@ktu.edu.tr  |
| Turkey                       | rural          | Turkey      | Fatma Hoş Çebi; hos@ktu.edu.tr  |
| BUCL                         | urban          | UK          | Lee Chapman; l.chapman@bham.ac.uk   |
| BUCL                         | urban          | UK          | Lee Chapman; l.chapman@bham.ac.uk   |
| Birmingham Urban Observatory | urban          | UK          | Lee Chapman; l.chapman@bham.ac.uk   |
| Birmingham Urban Observatory | urban          | UK          | Lee Chapman; l.chapman@bham.ac.uk   |
| Birmingham Urban Observatory | urban          | UK          | Lee Chapman; l.chapman@bham.ac.uk   |
| Birmingham Urban Observatory | urban          | UK          | Lee Chapman; l.chapman@bham.ac.uk   |

# More networks!

- Amsterdam
  - Augsburg
  - Turku
  - Szeged
  - .....
- 
- Short article of the FAIRNES to international groups/societies!  
(IAUC,.....)

|METADATA elements for urban/rural stations

T1.3

| Country                | Name and Surname | Affiliation  | Position in the institution             | Contact (please put the official email, only)  | Work/Research experience  | Your microclimate interest/research  | Your personal link/s   | Is your microclimate interest on: 1 - urban area; 2 - rural area; 3 - both | Do you use microclimate networks during the course? (YES/NO) |
|------------------------|------------------|--|---|--|---|--|--|--|--|
| Austria                | Karl Gartner     | Austrian Research Centre for Forests (BFW), department Forest Ecology and Soil                     | deputy head of Unit Site and Vegetation | email: karl.gartner@bfw.gv.at  | more than 20 years of experience in forest ecological measurements  | microclimate monitoring in forests and their surroundings; the main focus lies on hydrological questions | <a href="https://www.bfw.gv.at/en/departments-en/forest-ecology-soil/site-vegetation/">https://www.bfw.gv.at/en/departments-en/forest-ecology-soil/site-vegetation/</a>  | 2  | yes; and sometimes data networks during the course           |
| Austria                | Josef Eitzinger  | University of Natural Resources and Life Sciences (BOKU); Institute of meteorology and Climatology | full professor                          | email: josef.eitzinger@boku.ac.at  | 25 years of experience in agrometeorology   | analysing micro- and local agrometeorological phenomena and application on related modelling             | Institute webpage: <a href="http://www.boku.ac.at/imp">www.boku.ac.at/imp</a>  | 2  | yes  |
| Bosnia and Herzegovina | Milica Pecelj    | University of East Sarajevo, Faculty of Philosophy, Department of Geography                        | Associated Professor                    | <a href="mailto:milicapecelj@gmail.com">milicapecelj@gmail.com</a>                     | 12 years experience in human bioclimatology   | heat and cold stress, thermal comfort,   | <a href="https://www.ues.rs.ba/">https://www.ues.rs.ba/</a>  | 1  | not yet, for future research                                 |
| Czech republic         | Jan Geletič      | Institute of Computer Science of the Czech Academy of Sciences                                     | senior researcher                       | <a href="mailto:geletic@cs.cas.cz">geletic@cs.cas.cz</a>                               | 11 years in urban climate research, 8 years in urban climate modeling   | microclimate modeling and measurements; validation campaigns; GIS data; remote sensing                   |  | 1  | yes  |
| Estonia                | Marko Kaasik     | University of Tartu, Institute of Physics  | assistant professor                     | email: marko.kaasik@ut.ee  | 30 years of experience in air quality research  | turbulence ect. micrometeorological effects to atmospheric transport of ingredients                      | <b>Work group:</b> <a href="https://meteo.ut.ee/home-1">https://meteo.ut.ee/home-1</a> ; <b>Personal:</b> <a href="https://www.etis.ee/CV/Marko_Kaasik/est?tabId=CV_ENG">https://www.etis.ee/CV/Marko_Kaasik/est?tabId=CV_ENG</a>  | 3  | yes  |
| France                 | Vincent Dubreuil | Rennes 2 University ; Lab. Littoral Environnement Télédétection Géomatique (UMR 6554 CNRS)         | full professor                          | <a href="mailto:vincent.dubreuil@univ-rennes2.fr">vincent.dubreuil@univ-rennes2.fr</a> | 18 years of experience in urban climate research in France and Brazil. 25 years of experience in agrometeorology (droughts impacts) in France, Brazil, Europa, Africa | Urban Heat Island monitoring (AWS network) and remote sensing data                                       | Faculty webpage : <a href="https://perso.univ-rennes2.fr/vincent.dubreuil">https://perso.univ-rennes2.fr/vincent.dubreuil</a> ; Researchgate : <a href="https://www.researchgate.net/profile/Vincent-Dubreuil">https://www.researchgate.net/profile/Vincent-Dubreuil</a> | 1 (priority)   | Yes  |
| Italy                  | Simone Orlandini | Department of Agriculture, Food, Environment and Forestry (DAGRI) University of Florence           | full professor                          | <a href="mailto:simone.orlandini@unifi.it">simone.orlandini@unifi.it</a>               | 30 years of experience in agrometeorology and 20 in urban climatology   | monitoring, modelling, application to support decision making, spatial and temporal variability analysis | <a href="https://www.unifi.it/p-doc2-0-0-A-3f2a3d30322e2d.html">https://www.unifi.it/p-doc2-0-0-A-3f2a3d30322e2d.html</a>  | 3  | yes  |



# More people!

- One more circular mail – FAIRNESS network
- Short info to international groups/societies

# Task1.2

- Task1.2 co-leaders for QC of datasets from rural networks – Milena Marcic and Ivan Koci (RS)
- Task1.2 co-leaders for QC of datasets form urban networks ?

# WG1 to WG2

- What we need to prepare for the Task2.1?
- Way of communication between WG1/Task1.1 and WG2/Task2.1 leaders?!
- ...communication with responsible people, transfer data, metadata?

# General deadlines

Task1.1 – we done deliverable (official), we will collect networks in the next a few months

Deadline: end of June 2022 – OK?

Task1.3 – deliverable until 14.04.2022!

We need to expand the list until 14.04. and collect more feedback in the next months

Deadline: end of December 2022!

Task1.2 – start with activity in mid 2022, have to finish until October 2023 (M24) – steps of activities in cooperation with WG2!?