

MAKE SHARE DATA GREAT AGAIN

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SHARE Data

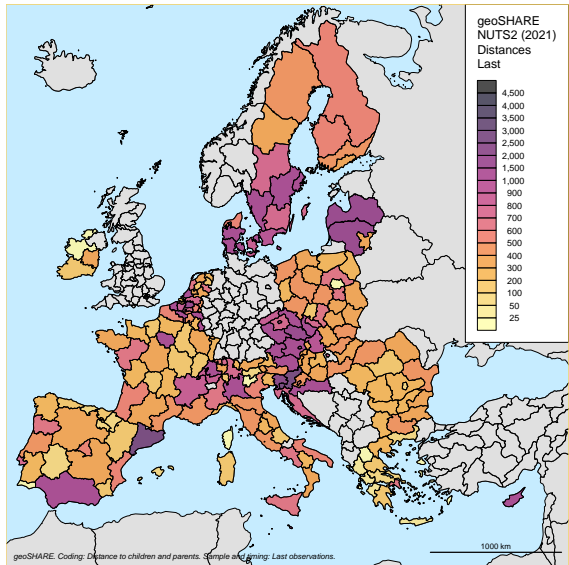
- ▶ EU coverage, panel of 10 waves
- ▶ Wave 1 vs. Wave 10
- ▶ Value added (life history, social networks, job coding links)
- ▶ Adoption of HRS and ELSA modules
- ▶ SHARE2.0
- ▶ How to be different (admin, linkage, survey data)
- ▶ Biomarkers, geography, policy, multi-modal, ...
- ▶ SBI: Environment for innovation and creativity

xxxSHARE

- ▶ neuroSHARE (Speech, Smell and Sleep Tests)
- ▶ geoSHARE (geographic data)
- ▶ abmSHARE (epidemiological model)
- ▶ bioSHARE (biomarkers)
- ▶ geneSHARE (genetics)
- ▶ expoSHARE (exposomes with EIRENE-ERIC)
- ▶ **xxx**

geoSHARE

- ▶ Data reconstruction
 - ▶ Baseline interviews
 - ▶ Life housing history
- ▶ Household mobility and distances
- ▶ NUTS2: 80%
- ▶ NUTS3: 60%




geoSHARE

- ▶ Address recovery
- ▶ Survey agencies in each wave
- ▶ RR 66%
- ▶ News: DK and LU
- ▶ User access

	Wave 1	Wave 2	Wave 3	Wave 4	Wave 5	Wave 6	Wave 7	Wave 8	Wave 9	Percentage
AT	0	0	1	1	1	1	1	1	1	78%
BE FR	0	1	1	0	0	1	1	1	1	67%
BE NL	1	1	1	1	1	1	1	1	1	100%
BG							0	1	1	67%
CH	0	1	1	1	1	1	1	1	1	89%
CY							1	1	1	100%
CZ		1	1	1	1	1	1	1	1	100%
DE	0	0	0	0	0	0	0	1	1	22%
DK	0	0	0	0	0	0	0	0	0	0%
EE				0	1	1	1	1	1	83%
EL	0	0	0			0	0	0	0	0%
ES	0	0	1	1	1	1	1	1	1	78%
FI							1	1	1	100%
FR	0	0	0	0	0	0	0	1	1	22%
HR						1	1	1	1	100%
HU				1			1	1	1	100%
IL	1	1			1	1	1	1	1	100%
IT	0	0	0	0	1	1	1	1	1	56%
LT							1	1	1	100%
LU					0	0	0	0	0	0%
LV							1	1	1	100%
MT							0	1	1	67%
NL	0	0	0	0	0			1	1	29%
PT				1		1	1	1	1	100%
RO							1	1	1	100%
SE	0	0	1	1	1	1	1	1	1	78%
SI				0	0	1	1	1	1	67%
SK							1	1	1	100%

abmSHARE

- ▶ Horizon Covid-19 project
- ▶ Epidemiology
- ▶ Covasim Agent Based Model
- ▶ Spatial dimension
- ▶ External data


abmSHARE Documentation

ABOUT

- Welcome to abmSHARE documentation
- News
 - What is abmSHARE?

TUTORIALS

- T1 Getting Started with abmSHARE
- T2 Importing/Exporting data
- T3 Ways for run
- T4 Creating population
- T5 Creating simulation
 - T5.1 Simulation - Interventions
 - T5.2 Simulation - Variants
- T6 Reporting outputs
- T7 Zeppelin usage

MODULE CONFIGURATIONS

- abmSHARE complex module configuration
- Synthetic population module configuration
- ABM module configuration
- Report module configuration

» About » Welcome to abmSHARE documentation

Welcome to abmSHARE documentation

Sharesim project for Covid-19 simulations, stands for an extension to ABM module and synthetic population module. It allows to precisely configure each module for precise output. **Project is available only to given number of users for now.**

News

Testing new V.0.1.5. from 25.1.2023 **Different variants introduced** If you discover any problem/bug, please write them [there](#).

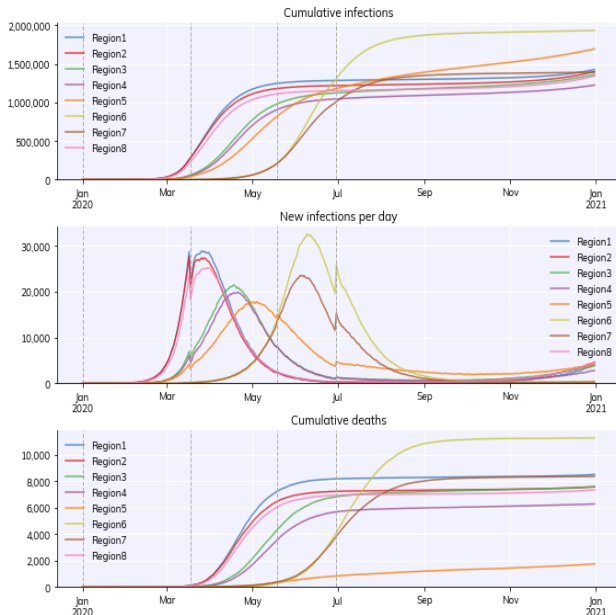
What is abmSHARE?

The abmSHARE model is built on Covasim (COVID-19 Agent-based Simulator), an open-source agent-based model developed by the [Institute for Disease Modeling](https://github.com/InstituteforDiseaseModeling/covasim) available at <https://github.com/InstituteforDiseaseModeling/covasim>, and build with related SynthPops, an open-source synthetic population constructor developed also by [Institute for Disease Modeling](https://github.com/InstituteforDiseaseModeling/synthpops) available at <https://github.com/InstituteforDiseaseModeling/synthpops>.

The model is written in python and can be adapted by users to suit their research questions and local context by specifying detailed data on population (age structure, mobility, contacts) and the epidemic (diagnosed cases, hospitalization, deaths). As in the original Covasim model, abmSHARE can be used to explore theoretical research questions or to make projections, its main purpose is to evaluate the effect of different interventions on the epidemic. These interventions include physical interventions (mobility restrictions and masks), diagnostic interventions (testing, contact tracing, and quarantine), and pharmaceutical interventions (vaccination).

abmSHARE

- ▶ geoSHARE
NUTS2
- ▶ Eurostat data
- ▶ SHARE data
- ▶ Policy analysis
- ▶ Matrix input
- ▶ Fall 2023



bioSHARE

- ▶ Collection of biomarkers (venous blood)
- ▶ Synergy with RECETOX at Masaryk University
- ▶ Collaboration with HAPIEE Study at UCL
- ▶ Government funding conditional on synergies
- ▶ Keep burden on SBI minimal (deliver coded data)
- ▶ Contribute for additional costs
- ▶ Still catching up with others

MAKE SHARE DATA GREAT AGAIN

- ▶ Involve researchers and external users (funding and innovations)
- ▶ Offer: EU Panel infrastructure, experience, CENTERDATA
- ▶ Technology: Smartphone/Internet/Devices
- ▶ Modes: Flexible/Policy/Experimental/Multidisciplinary
- ▶ Hard data and objective measures: xxxSHARE
- ▶ Systematic in structure and content (life history)
- ▶ Research center and user services
- ▶ Harmonization by Gateway to Global Ageing (USC)
- ▶ SBI: Environment for innovation and creativity