1st meeting for the national coordination COVID19

Wednesday 25 March 2020 h.17.00

The meeting is chaired by President Prof. Monica Pratesi

During the first meeting it was decided that the SIS coordination of activities will focus on two tracks:

1) Each individual scholar or group will continue to carry out the research on which, for a few weeks, has been focusing its strength. SIS will endeavor to disseminate initiatives through its website and institutional channels already used so far.
2) One or more SIS projects will be developed together to participate in future national fast calls .

SIS will support any initiative, including that of being able to contact the various institutions (as has already been done) or possibly bodies or structures that collect data.

The main areas of work, which emerged in light of what has been observed on the phenomenon in recent weeks:

1. Harmonization of data Regional (difficult solution, seeing that the institutions and structures that colle ct data are not likely to divulge)
2. Mortality estimate - R0 - Number of people who on average infect each infected person
3. Preparation of a sistem to information statistics on indicators of infection and spreading, evolution of disease and healing
4. Estimates of the indicators at the provincial level
5. Simulation of regional scenarios in order to give policy indications
6. Implementation of a statistical dissemination system that is correct and appropriate for different audiences
7. Study of the territorial spread of the contagion: physical geography and that of economic exchanges, commuter movements
8. Study of drugs currently as vaccine substitutes
9. Development of the virus on unidentified infected people
10. Algorithms for estimating the probability of individual contagion
11. Use of capture-recapture methods, po oled sampling to obtain data on symptomatic and non-symptomatic infections, their socio-demographic profile
12. Study of drugs and vaccines
13. Application of "group testing" methods to minimize the number of positivity tests on the swabs.

Reference colleagues for proposals on specific topics:

- dissemination (Giovanna Jona Lasinio) - models of estimation and prediction (Fabrizia Mealli - Paolo Giudici) - collecting data and sampling (Elena Stanghellini) - methods group testing (Gianfranco Lovison)