

Objective 1

Factors to account for changes in emissions during the lockdowns

Collect & process activity data

Scale
Spatial: Global
Temporal: Daily
or
Monthly

Sectors
Transportation
Power
Residential
Industry

Objective 2

Implementation of adjusted emissions in models

Methodology

Non-gridded
daily/monthly
regional or
national trends of
activity data

Gridded
adjustment
factors per
sector on a
daily and
monthly basis

Generation of
emission files
including
lockdown
effects

Evaluation of the results

Intercomparison of datasets providing comparable parameters for the same regions/countries and periods

Comparison with changes from the literature