



ONS-UNECE ML 2021 Group: UNECE Executive Board – April Meeting

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ML 2021 Group

Work Stream 1

From idea to valid solution
(demonstration)

Activity 1.1
(Brazil)
Classification and
aggregation for web-
scrapped price data

Activity 1.2
(Turkey)
Classification of
COICOP

Activity 1.3
(Denmark)
Multilingual
Transformer based
model for
classification

Activity 1.4
(Chile)
Automated coding as
shared service

Activity 1.5
(Poland)
Multiple imputation

Activity 1.6
(Malaysia)
Estimating rubber
production using
satellite imagery

Activity 1.8
(Indonesia)
Use of satellite
imagery for wealth
index

*Imagery
Theme*

Activity 1.9 (USA-
BLS)
Expenditure estimate

Activity 1.10
(Belgium Flanders)
Transferring
knowledge

Activity 1.11
(Chile)
Route optimisation

Work Stream 2

From valid solution to
production
(operationalization)

Activity 2.1 (IMF)
Automated
production tool

Activity 2.2
(Mexico)
Data lake architecture

Activity 2.3
(Mexico)
Workflow

Activity 2.4
(Sweden)
Technical platform for
support ML

Work Stream 3

Data ethics and
governance

Activity 3.1 (UK)
Data ethics and
governance

Work Stream 4

Quality of training data

Activity 4.1
(Finland)
Quality of training
data

Work Stream 5

Quality Framework for
Statistical Algorithm

Activity 5.1
(Mexico)
Quality Framework
for Statistical
Algorithm

C&C Theme

April update

1. Outreach: [UNECE article](#) is now live.
2. Collaboration and events – The Group receives a summary write-out monthly. The latest information and previous presentations can be found on [Wiki](#)
3. It is important to note that ML 2021 is adopting a “community” approach, rather than a “project” approach

ML2021 and UNSD Global Platform update

1. UN Committee of Experts on Big Data and Data Science for Official Statistics (UN-CEBD)
2. UN GP ongoing projects
 - Use of satellite data for crop statistics in Senegal; the data pipeline is delivering monthly crop statistics and Senegal would like a longer-term arrangement for this on the UN Global Platform
 - Use of AIS data for a [dashboard on trade, travel and transport indicators](#); these are produced on a weekly basis; UK is using this for its fast economic indicators
 - Use of .STAT technology for the [dissemination database of Cambodia](#); Cambodia would like to keep this national database on the UN Global Platform for at least the mid-term
 - The [SDG Financing Lab](#) is now hosted on the UN Global Platform. We also want to secure longer term stability for this work.
 - The [ARIES application](#) for ecosystem measurement will be hosted on the UN Global Platform for the long term
 - The Learning Management System is now fully functional and operational on the UN Global Platform (<https://learning.officialstatistics.org/>). We can use it to conduct e-Learning courses on Big Data and data science.
3. Promote: The Finance Committee of the UN Global Platform- Need experts and funding