

## Proposal of a set of reference criteria and indicators for project assessment

STC 4 per 1000 Initiative





#### Time frame

- For discussion at the 2<sup>nd</sup> Consortium meeting
  - To be adopted at the 3<sup>rd</sup> Consortium meeting





## The Political Framework Sustainable Development Goals (SDGs)





### Direct targets for 4 per 1000 projects



## Montpellier 29th & 30th June 2017 – 2nd CONSORTIUM of MEMBERS **Direct SDG targets** 15.3 Combat desertification, restore degraded land, Land Degradation Neutrality 2.3. Double agric. prod. & income 2.4. Sust agric. 2 ZERO HUNGER land, Soil 15 LIFE ON LAND quality **DIRECT TARGETS** 13 CLIMATE ACTION 13.1 Strengthen resilience and adaptative capacity to climate change..

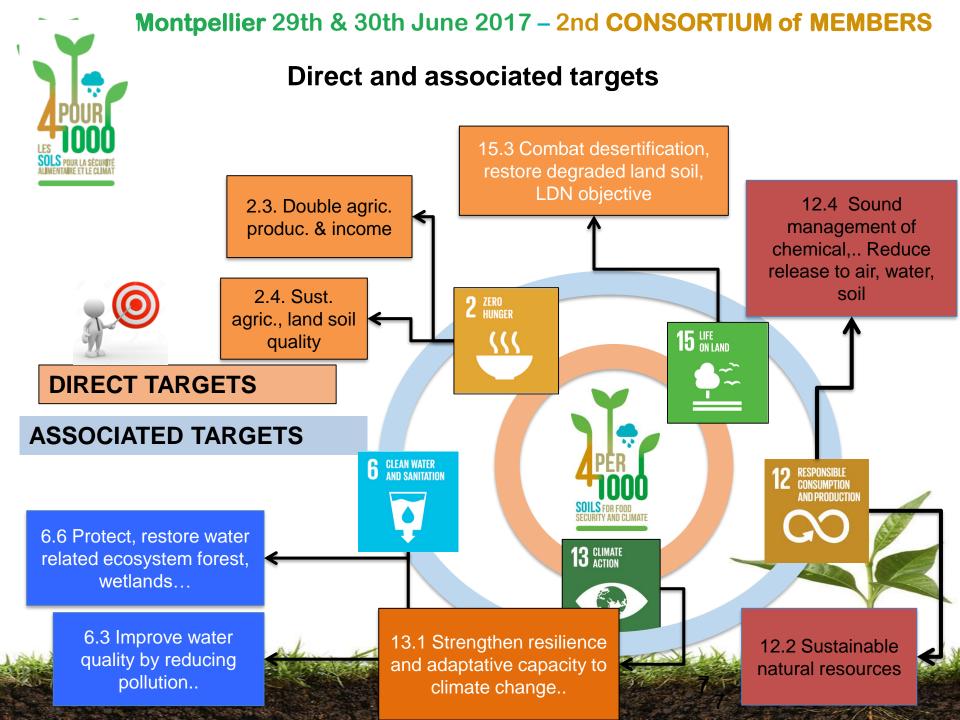


#### **Direct and associated SDG targets**



**ASSOCIATED TARGETS** 









#### SDG targets for the 4 per 1000 initiative



**ASSOCIATED TARGETS** 





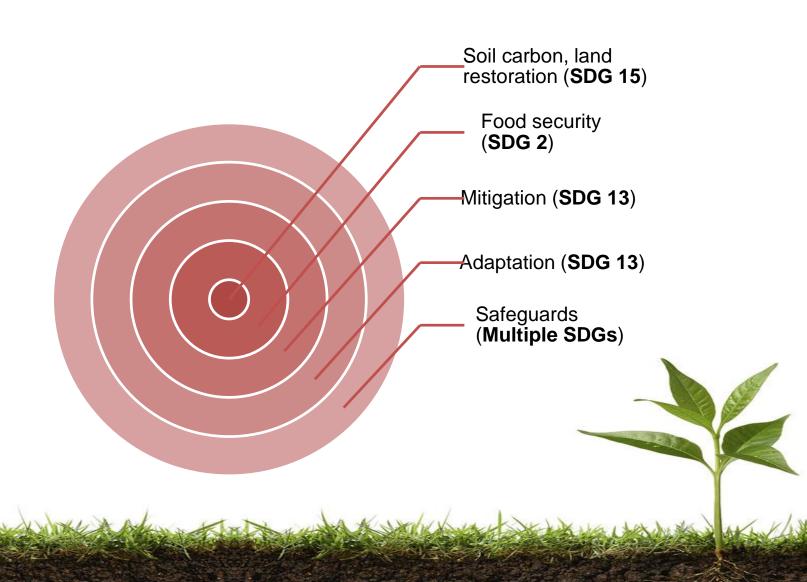
### What is a project?

A project should refer to a specific action, under defined temporal and spatial scales and ecosystems (e.g. arable, rangelands, forests, etc.) and to targeted changes in soil carbon. This must be related to land management and/or land use options, as well as expected benefits and possible trade-offs for local communities and could be at different scales.

Does it contribute to direct and associated 4 per 1000 targets?



## 4 per 1000 project criteria and target SDGs





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## Project criteria and indicators

#### Soil carbon, land restoration

(increased stocks, permanence, additionality, no leakage, area under conservation)

#### Safeguards

(property rights, well being, capacity building, environmental protection)

#### Adaptation

(yield variability, resilience to extremes, water resources)



Mitigation (non CO<sub>2</sub> GHGs, fossil energy use)



## Criteria, indicators, methods and units

### Soil carbon and land conservation or restoration

(tonnes C per Methodology based on IPCC Agricultural Permanence. ha) Depth> 20 Additionality, cm Duration: practices (Tier 1, 2 or 3) No leakage 20 yrs or more Fraction of area (tonnes C per Methodology Land ha) Depth> 20 under soil based on cm Duration: conservation conservation/ **WOCAT** 20 vrs or more restoration (tonnes C per Permanence. Methodology Forestry ha biomass & based on IPCC Additionality, soil) practices No leakage (Tier 1, 2 or 3) 20 yrs or more



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## Criteria, indicators, methods and units

## Food security

Supply & stability

Crop & grass yields increased (reduced variability)

Field surveys compared to control or historical (tonnes DM per ha, average and interannual variability)

Access

Gross margin of ag. production maintained or improved

Costing methods

(Local price per ton ag. product)

Safety & Quality

Healthy and safe food

Nutrients deficiencies in production mix. Health hazards surveys

Semi-Quantitative





# Criteria, indicators, methods and units Mitigation

N<sub>2</sub>O & CH<sub>4</sub>

Any increase in GHG emissions should not be greater than soil C sequestration

Tier1 = activity data and default emission factors; Tier 2 = regional emission factors; Tier 3 = modelled emissions

(tonnes CO<sub>2e</sub> per ha per yr)

Fossil energy

Any increase in fossil energy use should not be greater than GHG balance improvement

Same as above

(tonnes CO<sub>2e</sub> per ha per yr)

Lifecycle assessment

e.g. GLEAM (FAO) lifecycle methodology for livestock (and crops)

(kg CO2e per kg ag. product)



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## Criteria, indicators, methods and units Adaptation

Yield & animal production stability

Reduced variability (yields, dairy/meat production)

Time series compared to historical (or controls)

(inter-annual production variability)

Resilience to extreme events

Reduced production losses, increased recovery

Surveys, Insurance premiums, early warning

(avoiding losses)

Water resources

Water table, stream levels compared to historical Relationships between water table, peak discharge and rainfall

(volume of water)

Biodiversity

Maintained or increased landscape biodiversity

Plant species diversity; patrimonial species

Shannon index, patrimonial species



#### Montpellier 29th & 30th June 2017 – 2nd CONSORTIUM of MEMBERS

# Criteria, indicators, methods and units Safeguards

Enhanced land rights

Access and rights for land and natural resources

Avoided greivances on land and water rights

(Qualitative)

Well being, human rights

Promote positive community relations and awareness of project activities

Free prior and informed consent, health, safety, equity (gender, indigenous people..)

(Qualitative)

Education, training and participation

Improved training, education and participation

Number and diversity of people

Semiquantitative

Ecosystem services

Biodiversity & ecosystem services

Critical natural habitats, no invasive species introduced; reduced use of toxics

Semiquantitative



#### Use of the criteria and indicators

- Provide a formative assessment and evidence-based suggestions for the improvement of projects
- . It is not a validation process
- Possibility for self-assessment: list of criteria/indicators is publicly available (internet)



## Proposed role of the STC in an evaluation procedure

Under request of the consortium, the STC will undertake a formative assessment of projects against the defined criteria and indicators aligned with the SDG targets.

The advice will provide a narrative assessment aimed at improving the quality of the project.

The quality of the advice will depend on the quality of the information provided by the project.



### The project evaluation procedure

#### **Code of Conduct**

Each evaluation will be undertaken using a specified and comprehensive Code of Conduct, consistent with the Terms of Reference for the STC, precising the responsibilities of the Secretariat and the STC; avoiding conflicts of interests.





## Thank you for your attention!

