

# Climate Smart Agriculture in Europe and Central Asia Region



*European commission/Flickr*

**Dr. Reuben Sessa,**

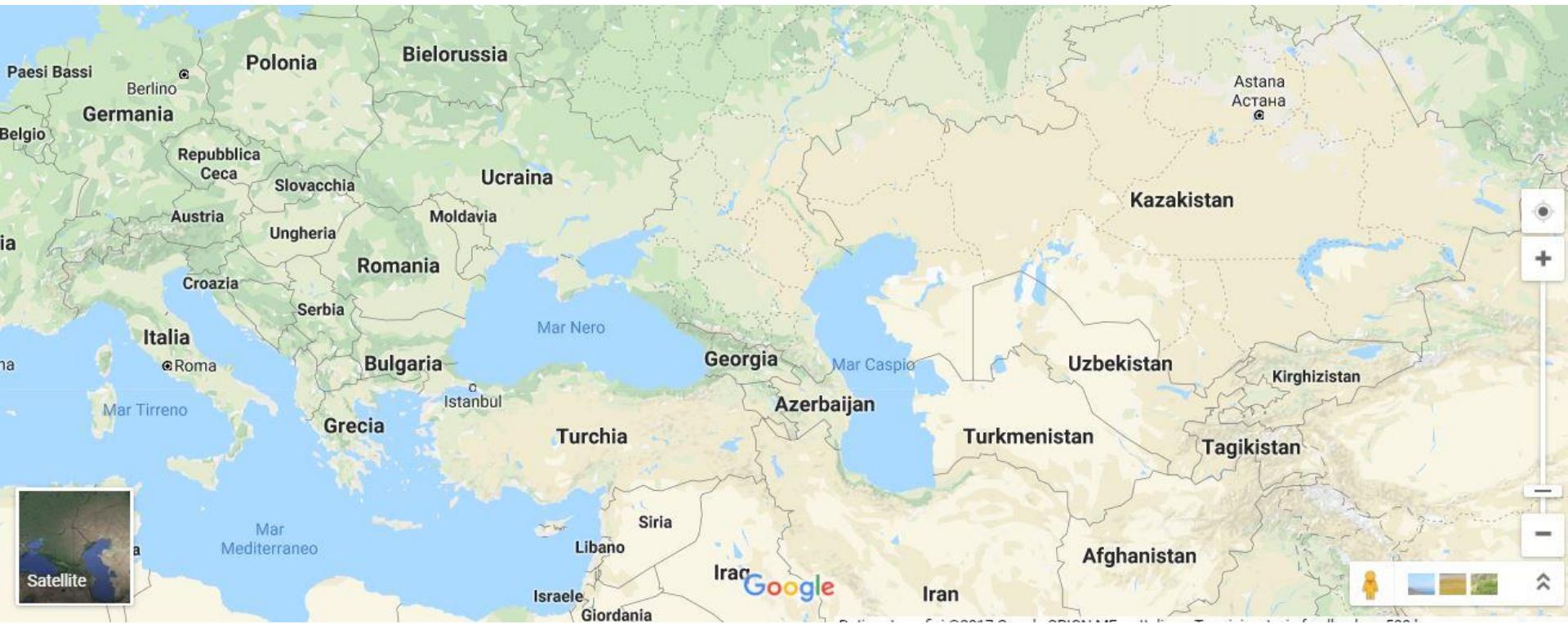
Climate Change and Energy Coordinator for Europe & Central Asia  
FAO Regional Office for Europe and Central Asia



Food and Agriculture Organization of the United Nations

[www.fao.org/climatechange](http://www.fao.org/climatechange)

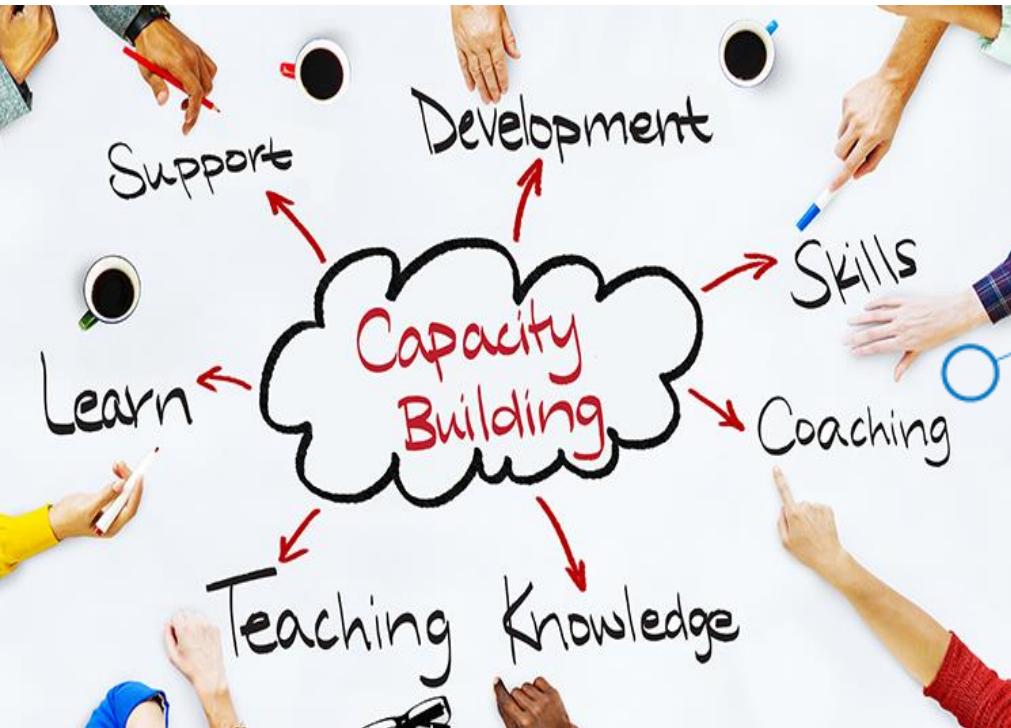
# FAO REU region



Food and Agriculture Organization of the United Nations

[www.fao.org/climatechange](http://www.fao.org/climatechange)

# Awareness and capacity building



FAO staff

Partners

Government



Food and Agriculture Organization of the United Nations

[www.fao.org/climatechange](http://www.fao.org/climatechange)

# Climate Smart Agriculture

**Azerbaijan**  
(2016-20)

**Georgia**  
(2016-20)

**Kyrgyzstan**  
(2015-17)

**Tajikistan**  
(2016-17)

**Moldova**  
(2016-19)

**Ukraine**  
(2016-19)

**Albania**  
(2015-17)

**Montenegro**  
(2015-19)

**Serbia**  
(2018-22)

**Turkey**  
(2016-20)

**Mitigation**

**Adaptation**

**Armenia**  
(2016-20)

**Turkmenistan**  
(2014-18)

**Uzbekistan**  
(2014-17)

**Kosovo**  
(2013-15)

**Belarus**  
(2017-20)

**Kazakhstan**  
(2014-17)

**FYR of Macedonia**  
(2013-15)

**Caucasus**

**Central Asia**

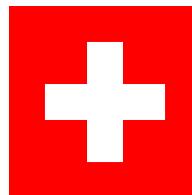
**European CIS**

**SEE**

# What is being considered

Priorities: NAPs, Paris commitment, etc.

Donors:



GREEN  
CLIMATE  
FUND



SDG



Others:

AGROECOLOGY



NUTRITION

CSA 2.0?



Food and Agriculture Organization of the United Nations

[www.fao.org/climatechange](http://www.fao.org/climatechange)

# Central Asia

Challenges  
productivity/income, CC,  
DRR, Energy

## Regional

- CACILM-II project (GEF US\$65M)

## National example

- Kyrgyzstan (GCF US\$40M, plus co-financing)



# Caucasus

Challenges major deforestation caused by energy needs, ag/livestock, ag vulnerability

## National examples

- Georgia (EU CSA practices and enabling environment, Euro 8M confirmed + GCF in development on forest)
- Armenia (GCF US\$15M plus co-financing – under development)



# Western Balkans

# Transitioning from emergency response to preparedness and natural hazard reduction

## In particular floods and drought

## Regional: TCP

## National examples

### Serbia: EU 8M



# AG interventions for reduction of natural hazards

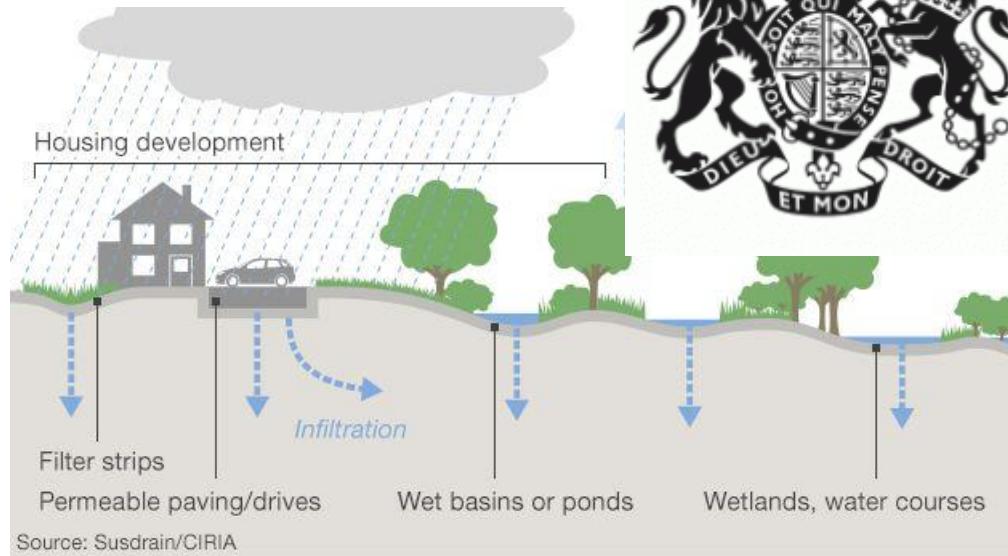
**Incentive schemes to farmers to manage their land to reduce natural hazards.**

UK EU farm grants

Whole river catchments

Benefit wildlife, slow the flow of water and improve water quality

underpinned by scientific evidence



Food and Agriculture Organization of the United Nations

[www.fao.org/climatechange](http://www.fao.org/climatechange)



# Good Ag DRR/CSA practices

Criteria used for identification of GPs, e.g.:

- Extent of impact reduction;
- Suitability to agro-ecological conditions;
- Productivity & profitability enhancement
- Up front investments needs;
- Socio-economic & environment impacts;
- GHG emissions reduction;
- Knowledge & trainings needs.

**socioeconomics**  
social ecological manipulation ethics multidisciplinary  
treaties faulty umbrella  
stray local  
crowding regress sort advocates norms alleged  
philosophical drought personal reconstruction socioeconomic  
classify declining  
include dysfunctional economy  
sociology literacy  
tertiary  
freedom  
supplemental  
analyze  
science metrics  
physical effects  
exclusion  
expectance  
emphasis  
section

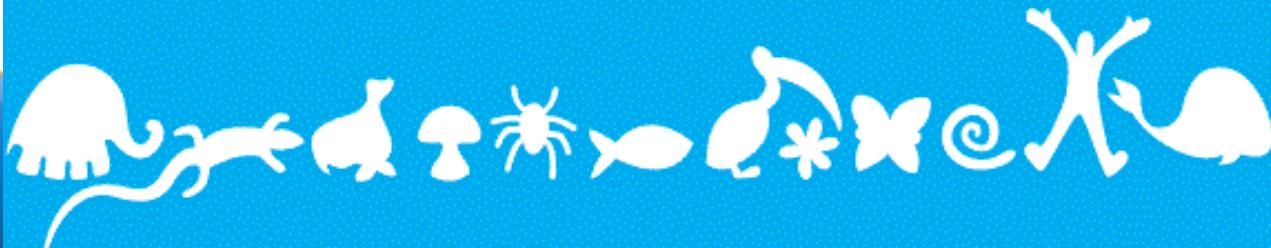


# Youth:: engagement :: behavior change



Food and Agriculture  
Organization of the  
United Nations

**MAKING IT COUNT**  
*INCREASING THE IMPACT OF CLIMATE  
CHANGE AND FOOD SECURITY  
EDUCATION PROGRAMMES*



Formal

Non-formal

Armenia

Macedonia

**Scope: CCA/DRR/EU accession**

**FAO support**

**National Agro-Ecological Zones  
NAEZ – Google engine**

**Policy/legislation**

**Agricultural and landscape practices**

**Extension services and secondary  
agricultural schools**

**Weather monitoring and agro-  
meteorology**

**Macedonia**



**Next EU CAP: for  
ecosystem services**

**National ag  
incentives**



Food and Agriculture Organization of the United Nations

[www.fao.org/climatechange](http://www.fao.org/climatechange)

# Next steps in the region

## **Regional Initiative 3: natural resources under cc**

- **“Flagships” countries for CSA approach**
- **Continued linkages with donors**
- **Strengthen the network, link to other networks and GACSA (but case by case technical assistance)**



# Thank you!

For more information, please visit:

[www.fao.org/climatechange](http://www.fao.org/climatechange)

and

[www.fao.org/climate-smart-agriculture](http://www.fao.org/climate-smart-agriculture)

and

[www.fao.org/gacsa](http://www.fao.org/gacsa)

