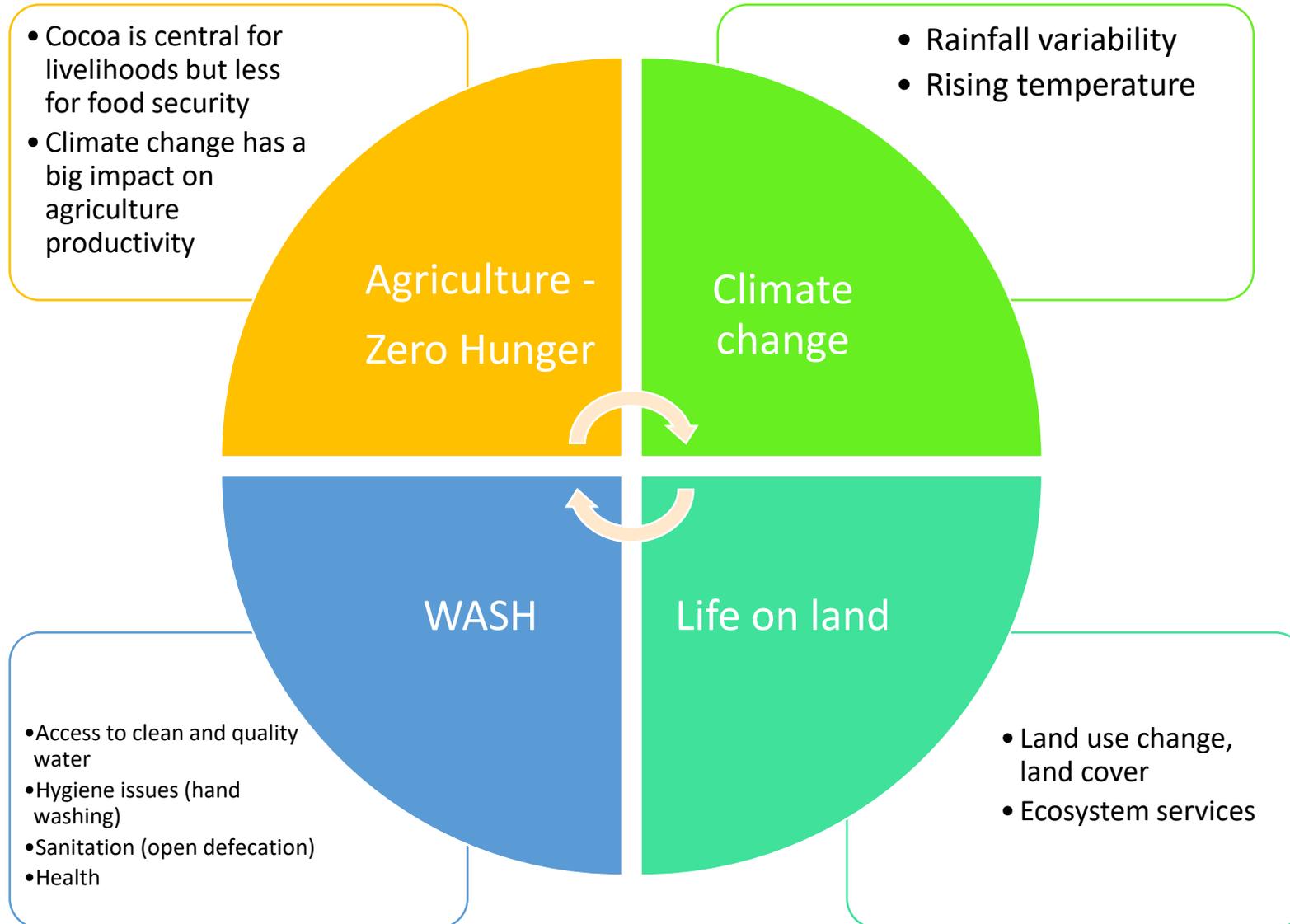


Reporting Back

Summary of research findings and next steps

	Adams	Dennis	Maimouna	Wassa	Joseph	Lucille
Research topic	A review on Climate Variability and Water Conflicts in semi-arid Agriculture, North-East Region, Ghana	Spatial Analysis of Climate Conditions for Cocoa Cultivation in West Africa	climate change impact on the Bagre reservoir: implication for rice production and hydropower generation	Situation Analysis of Access to Water, Hygiene and Sanitation (WASH) in Primary School in Côte d'Ivoire	An Assessment of Sustainable Water Demand and Food Security under climate change in the North East Ghana	Identify and assess farm-level pathways to food security
Key words	climate, water, conflicts and agriculture	Climate Variability, Sustainability, Agriculture	climate change, trend analysis, rice yield and hydropower generation	Access to Water, Hygiene, Sanitation, Primary School	Climate change, Food security, Sustainability, Ghana	Food security, Farming systems, Cultural preferences, Gender, Health, Climate change
Key findings	Climate variability affect the following areas of agriculture crop production, livestock production, horticulture, poultry production	Relatively arid cocoa regions in Ghana and Nigeria most vulnerable to climate change	Variability among the rainfall data, monotonic rising temperature for fada synoptic station, from historical to future. Correlation between rice yield and minimum temperature	Lacking access to water and to quality water and sanitation and no practical hygiene in primary school	The sources of water are: well, river, boreholes, tap. Climate change have reduced water availability for domestic and agricultural uses	Food security in this region is mostly influenced by farmers' cultural background
SDGs	1, 2, 3, 6, 13	1, 8, 12, 15	2, 13	3, 4, 6, 9	1, 2, 6, 13	1, 2, 6, 13, 15

Common topics linking your research



Some questions to consider:

- How could another student's research enhance yours? i.e. modeling tools, data, innovations, etc...

- How could a local perspective enhance your research findings?

How will future conditions affect your research conclusions (climate change impacts, population growth, etc)

Practical projects that could be based on your common topics

Project 1

- **Capacity building on climate change and resilient agriculture** (farming systems, cocoa, rice)
- **Access to water** (domestic uses, agriculture)
- Capacity building on **WASH** linked to health and food security
- Land use change and biodiversity losses

These projects will be further discussed during the afternoon session and at the November meeting in Switzerland