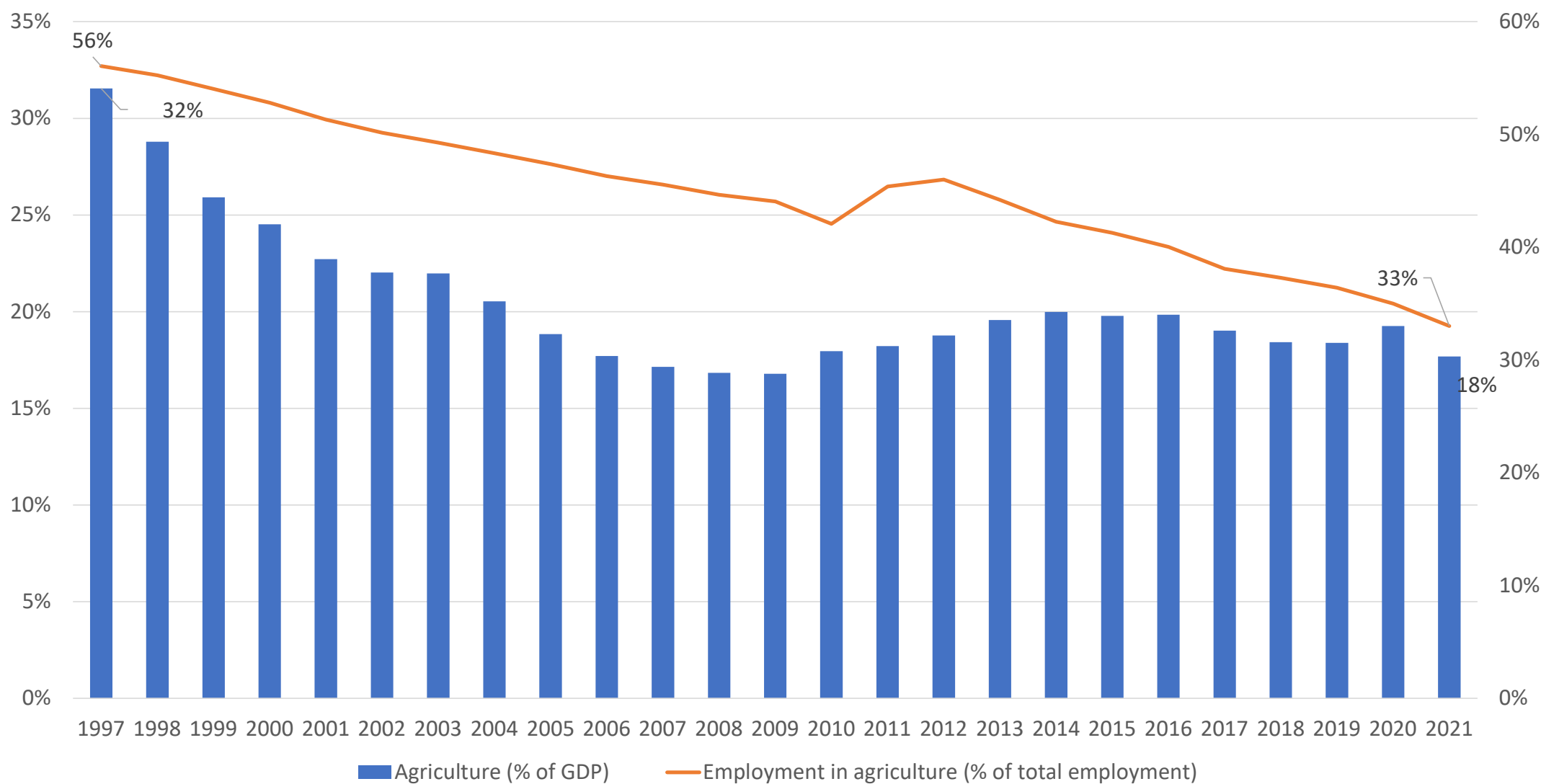


Some thoughts on Agriculture

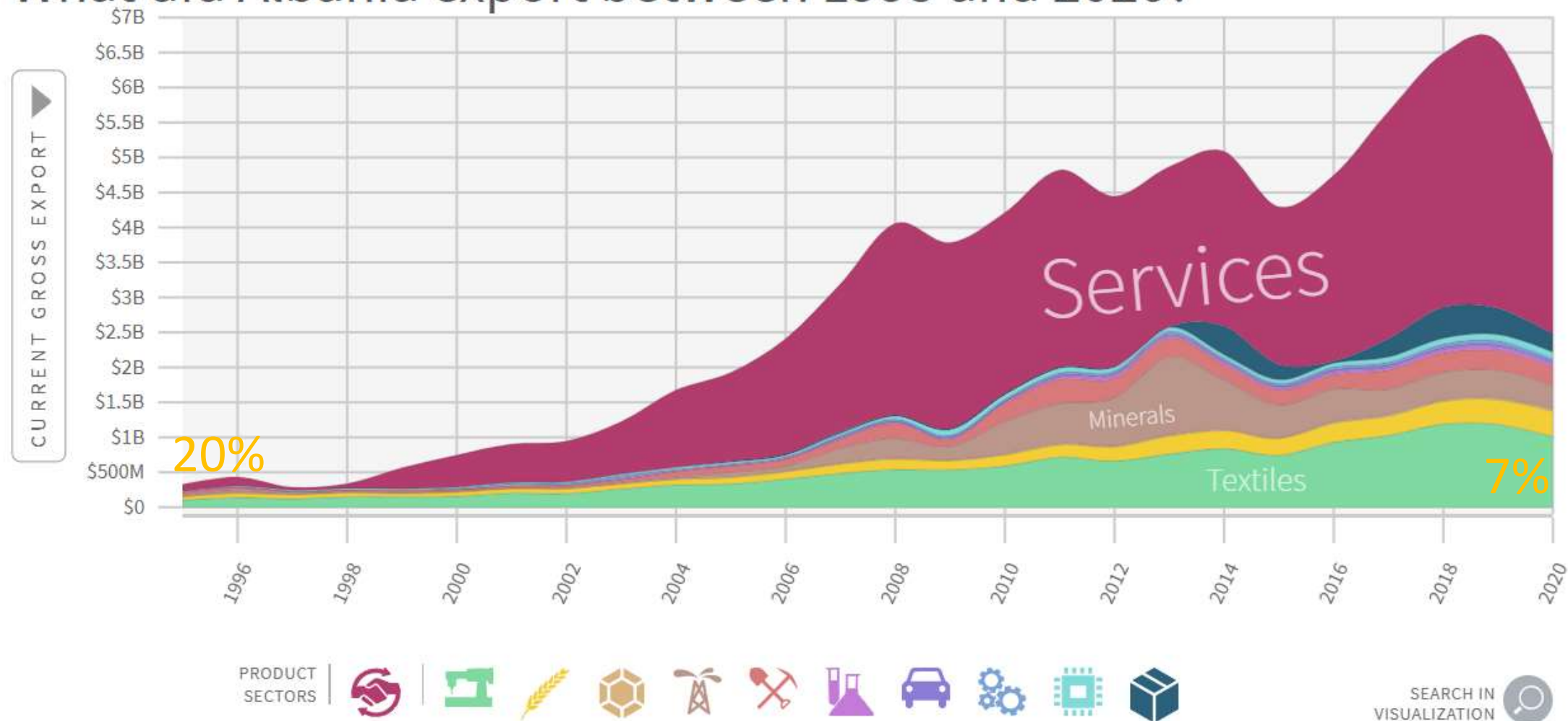
(... from a non-expert in agriculture)

How much of Albania's GDP and jobs
come from agriculture?



How much of Albania's exports come
from agriculture?

What did Albania export between 1995 and 2020?

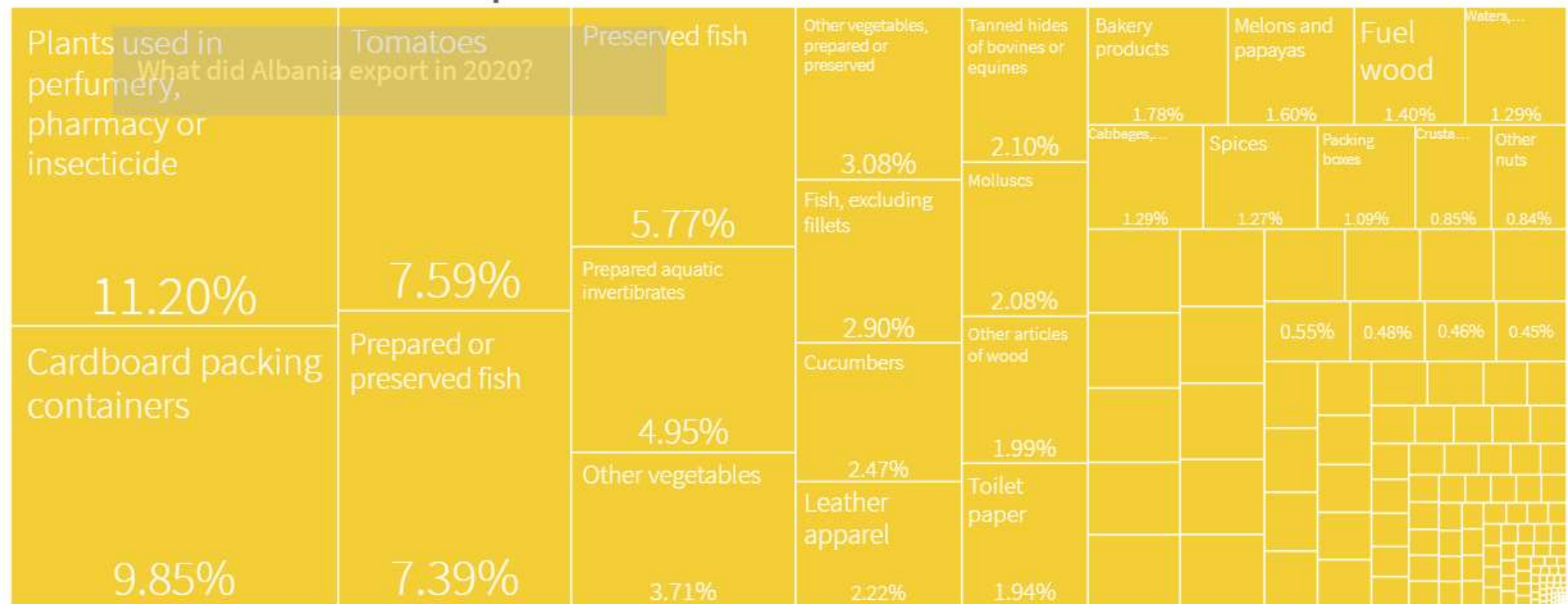


What are the most important Albanian agribusiness exports? (in terms of money)

Agricultural sector exports

What did Albania export in 2020?

Shown: \$362M | Total: \$5.03B 

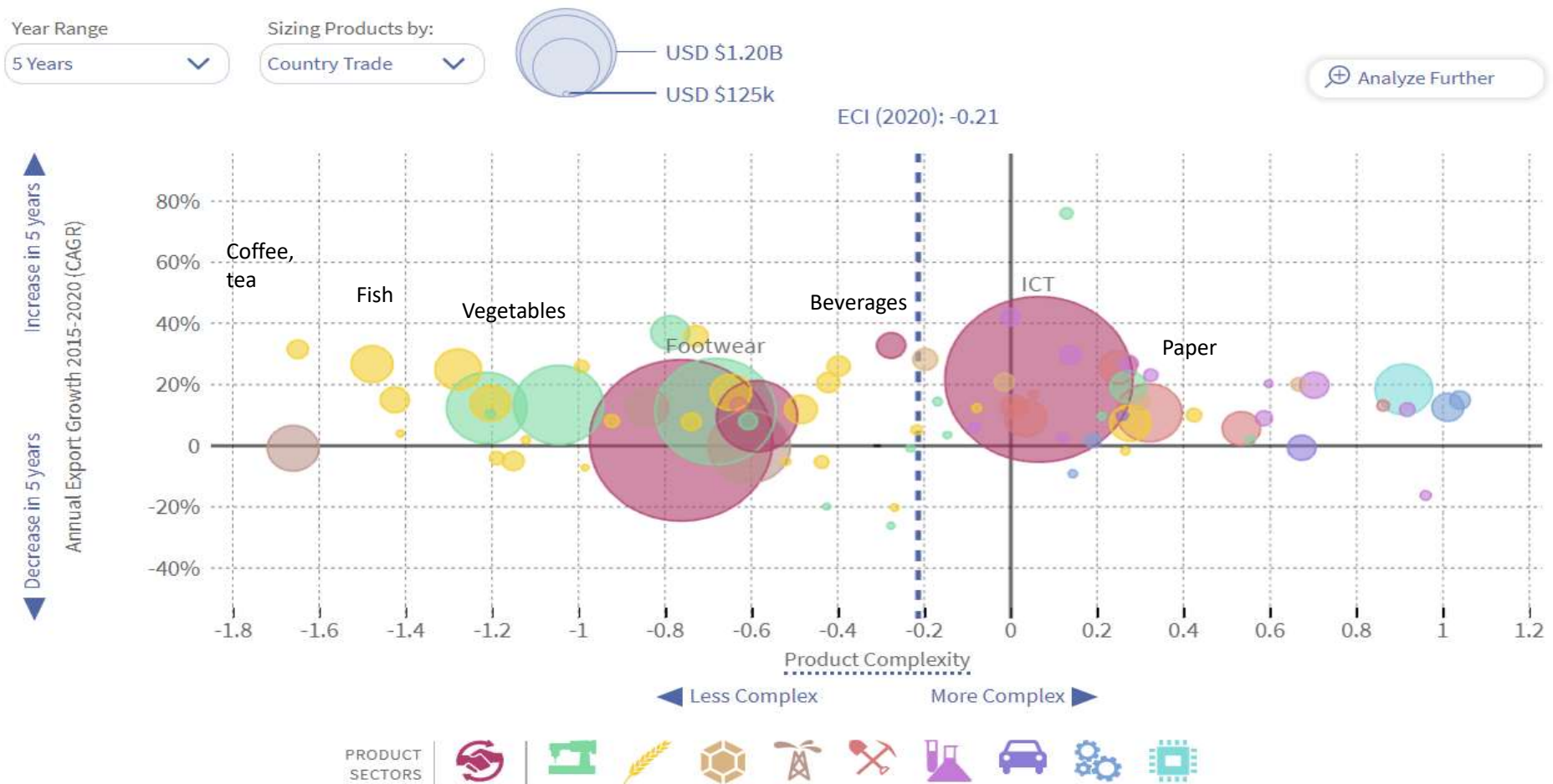


PRODUCT
SECTORS



SEARCH IN
VISUALIZATION 

Value addition in exports



So, how can we make agriculture
sector more competitive?

Prepare for climate change

What we can expect

+2C increase in mean annual temperature for winter and summer by 2049

-8% mean precipitation by 2049

... not very good news

-28% annual water availability for crops by 2050

Increase in the total number of consecutive dry days and decrease in the number of frost days by 2049

Increase in the Heatwave Duration Index of 20 days by 2049

Increased exposure to new pests and diseases for agricultural crops and livestock due to changes in the temperature and precipitation

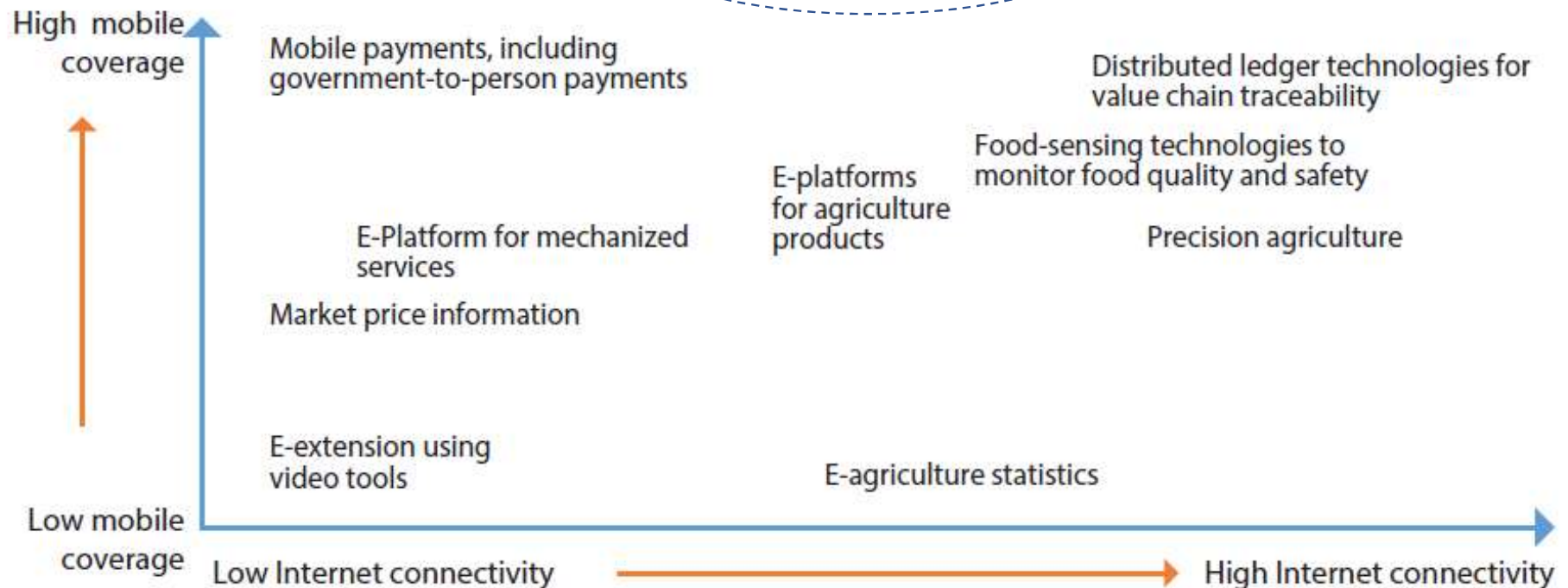
Increase access to finance

Out of the commercial banks' portfolio, how much goes to agriculture sector?

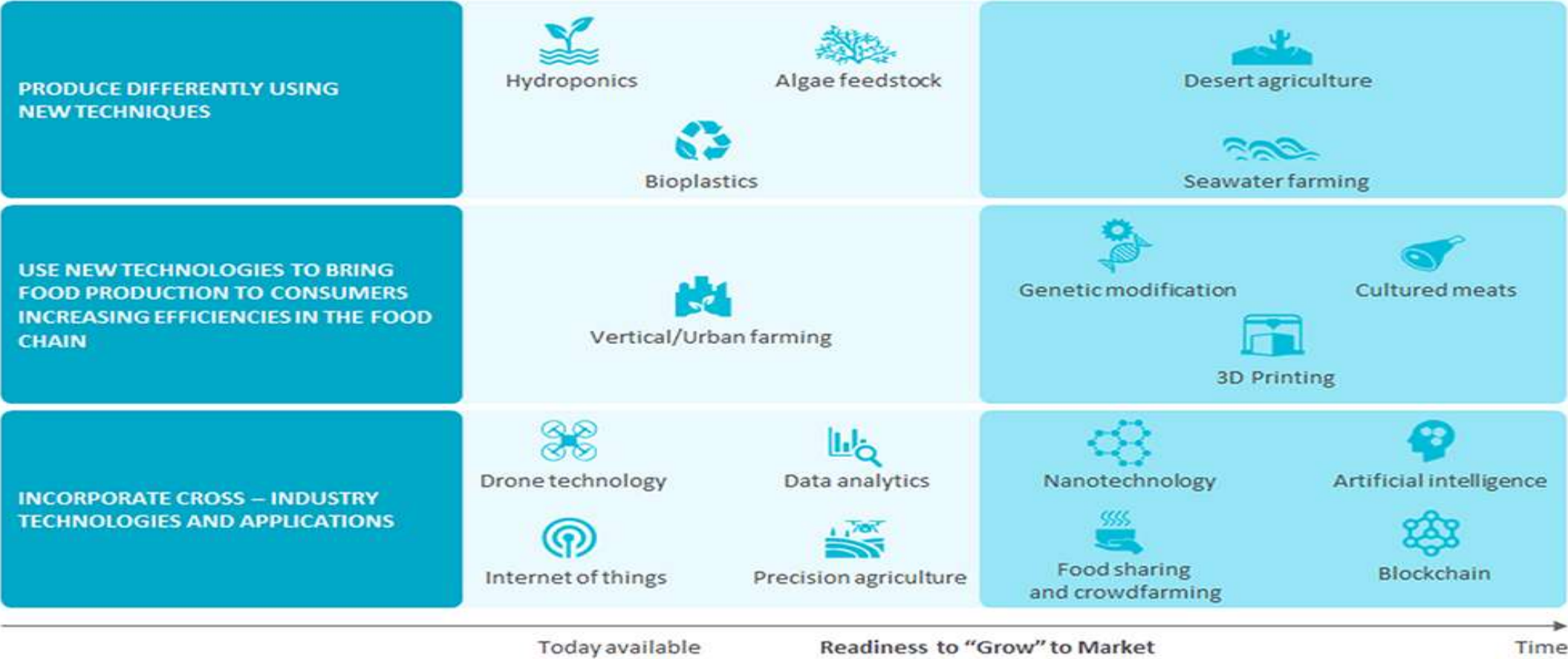
1. 43%
2. 33%
3. 23%
4. 13%
5. 3%
6. <3%

Harness new technologies

Where is Albania now?



Map of technologies and maturity



Improve skills!

Which one is the most important?

Technological skills:

- Irrigation, cultivation techniques, harvesting, storage, transportation, livestock monitoring, smart greenhouses, agricultural drones, farm management systems, crop management systems

Interpersonal skills:

- Communication skills, negotiation skills, empathy, ability to listen, emotional intelligence

Business skills:

- Ability to maintain effective knowledge of markets and trends. Identification of new clients. Strategies to maintain existing ones.

Marketing skills:

- Ability to define what distinguishes your products or companies from others.

Risk management skills:

- Ability to identify future risks, mitigate those that you can reduce and prepare for those you can't

Problem solving skills:

- Ability to respond rapidly to changing situations and guide teams to results

Learning skills:

- Ability and willingness to continue learning

Financial skills

- Ability to run a profitable and financially sustainable business

The jobs of the future

... probably not what we thought

The future of agriculture jobs in Albania



Top future agriculture jobs

Drone technologist

- Will Show farmers how to increase yields and reduce crop damage using sensors, robotics and images from the air

Hydrologists

- Researches the distribution, circulation, and physical properties of the earth's underground and surface waters

Agrocommunicators

- Share the story of agriculture and engage the public to better understand it.

Cricket Farmer

- Crickets will be turned into high protein flour for bread products and protein bars or deep fried to produce crispy snacks.

Agroecological farmer

- The agroecological farmer grows crops and biofuel, while restoring agricultural balance

Questions?