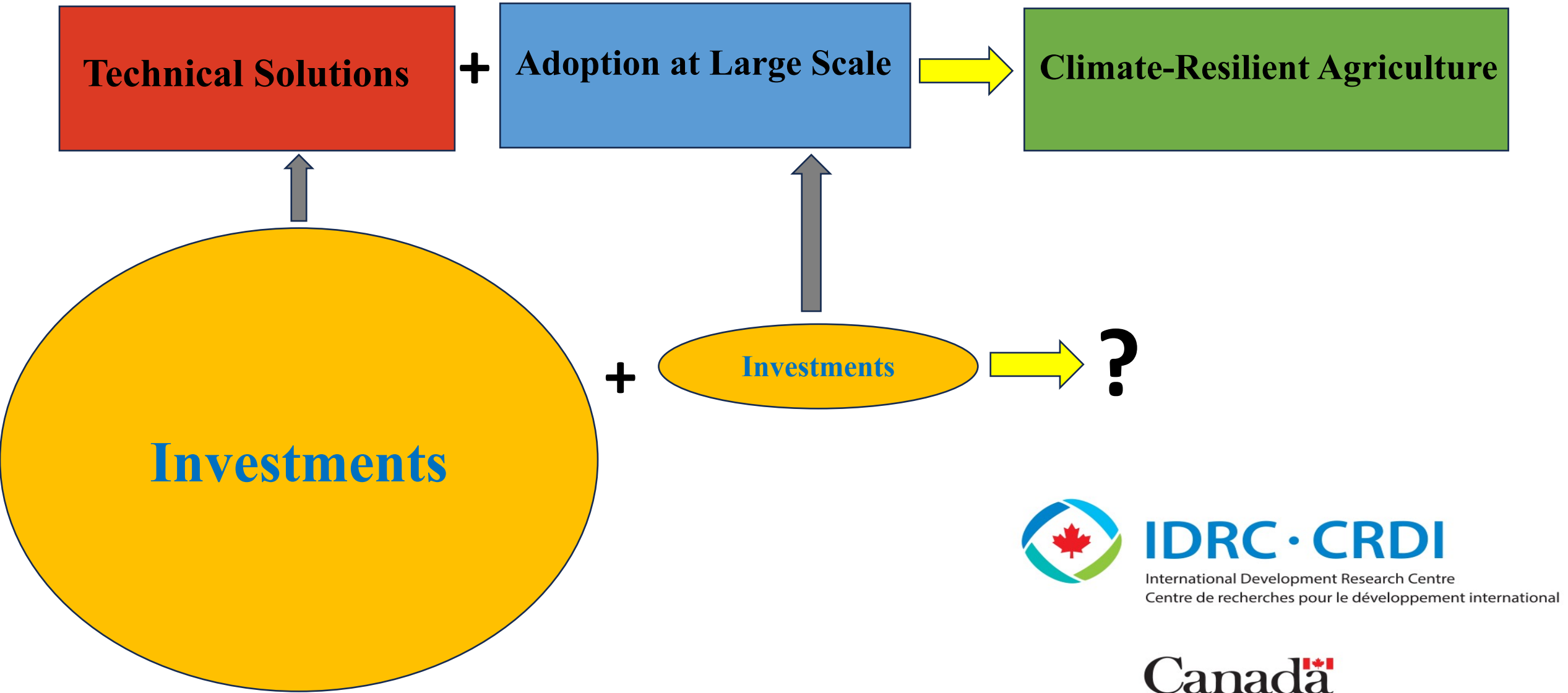


Climate-Resilient Agriculture in MENA

The Challenge

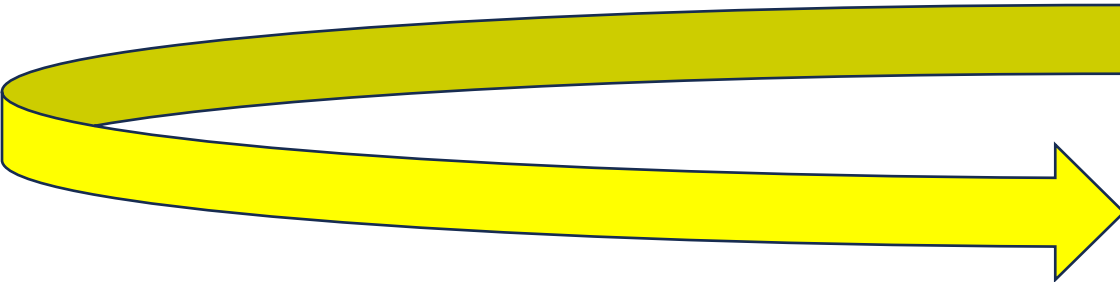
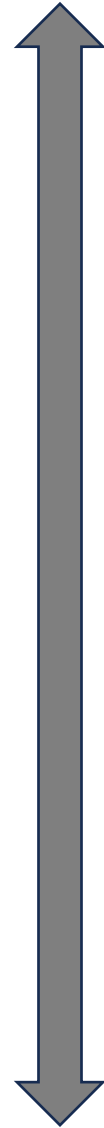


How to address the challenge?

Technical Solutions

**Mechanisms/
Business Models**

**Gravity
Center**



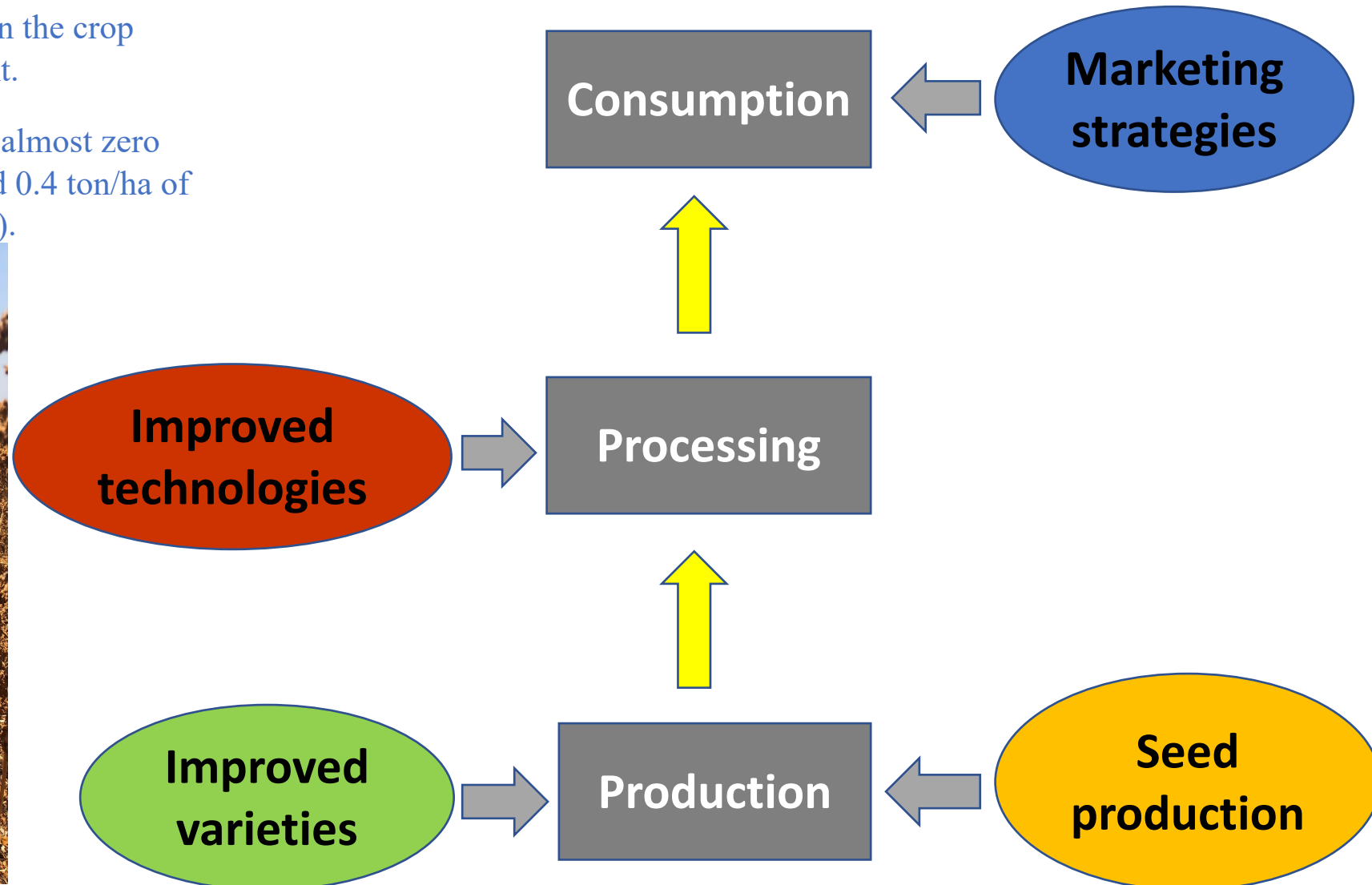
MOROCCO

Technical Solution (Quinoa)

- ❑ A yield reduction of only 15% occurs when the crop receives 50% of its total water requirement.
- ❑ During a dry year like 2020, farmers made almost zero production of barley and wheat but reached 0.4 ton/ha of Quinoa (50% of a normal year productivity).



Business Model: Upgrading the value chain



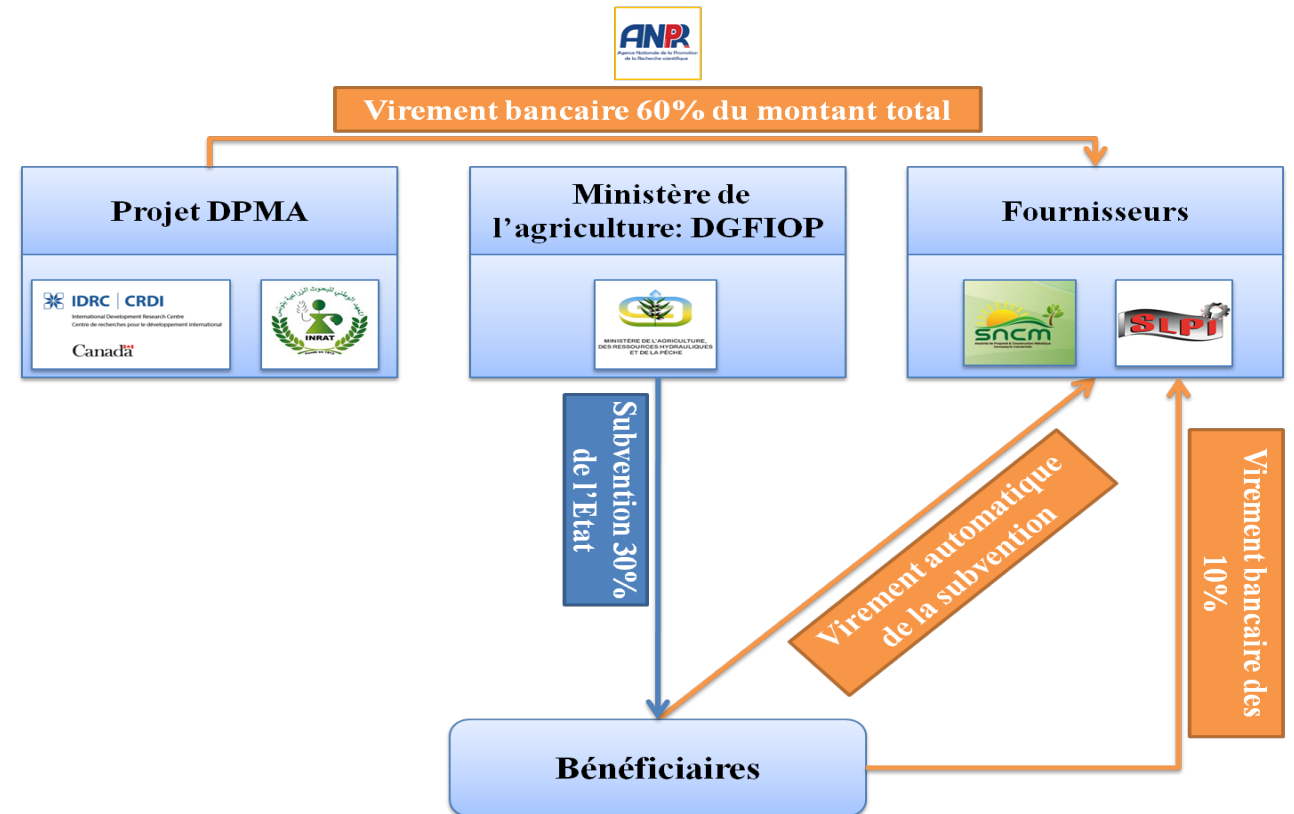
TUNISIA

Technical Solution (Mechanical Chopper)

- The use of a mechanical chopper demonstrated a reduction of fodder waste by 20–30% with an average decrease in production costs of 30%.



Business Model: Innovative financial mechanism + strategic partnerships



ALGERIA

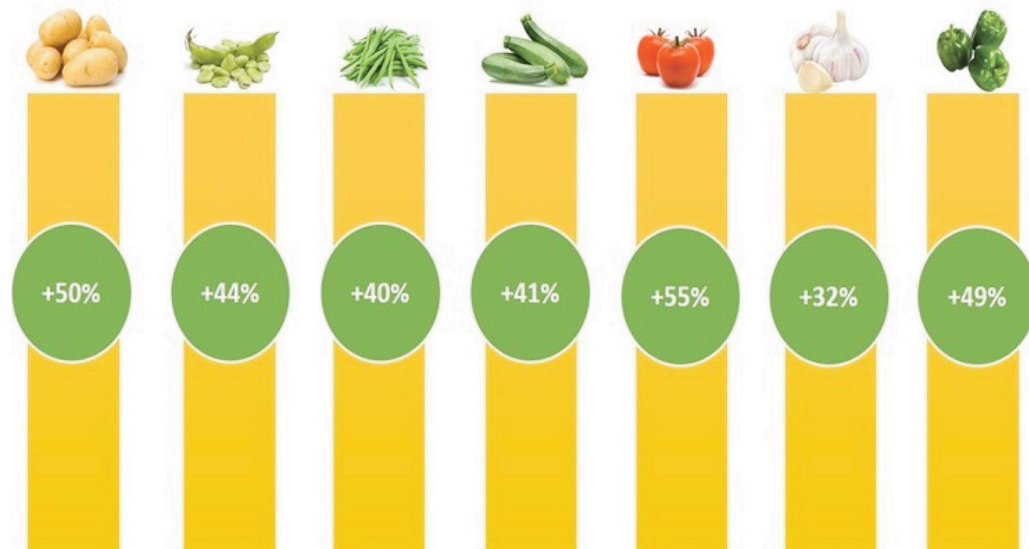
Technical Solution (Mycorrhizae)



Business Model:

Homologation+ Engagement with the private sector

- ❑ Homologation of the innovation by the ministry of agriculture.
- ❑ Profitability of the investment: internal rate of return consistently above 20% in all scenarios considered.



Technical Solutions

COMFORT ZONE

**Mechanisms/
Business Models**

**OUTSIDE
COMFORT ZONE**

