



CLUB OF BOLOGNA
*strategies for the development of agricultural
mechanisation*

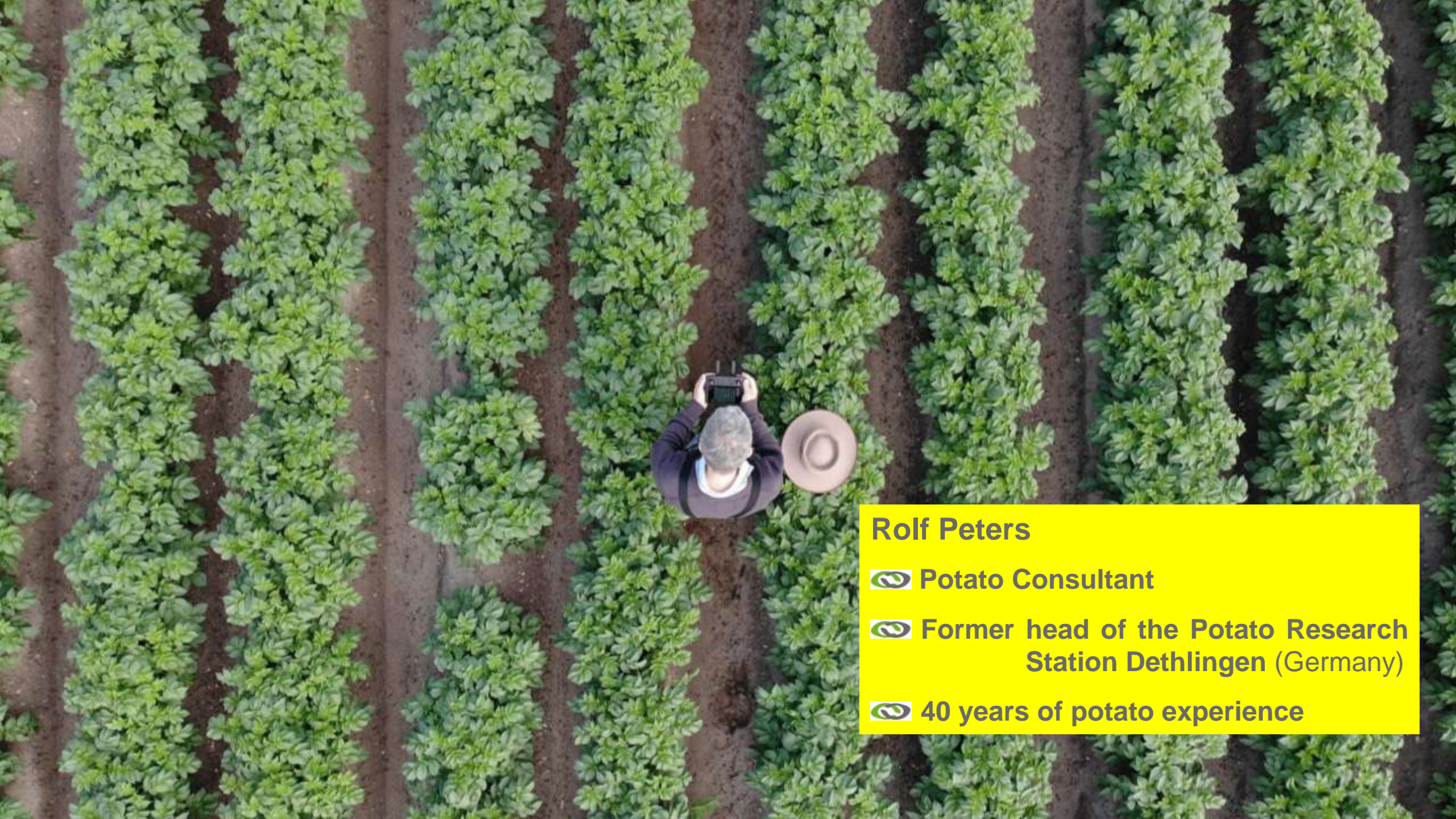


32nd Members' Meeting of the «Club of Bologna
Agricultural Mechanization: Urgency for Food Security




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Hannover, Germany

European market, mechanization and postharvest processing
of potatoes

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Rolf Peters

-  **Potato Consultant**
-  **Former head of the Potato Research Station Dethlingen (Germany)**
-  **40 years of potato experience**

General conditions for the cultivation of potatoes

- **Potatoes need**
 - ✓ A well balanced climate
 - ✓ Average temperatures
 - ✓ Sufficient water supply
- **Nord-western Europe**
 - Feels climate change
 - Longer drought or rainy periods
 - Increased hot days



Restrictions

- Amount of water
- Daytime for irrigation
- Irrigation technology



General conditions for the cultivation of potatoes

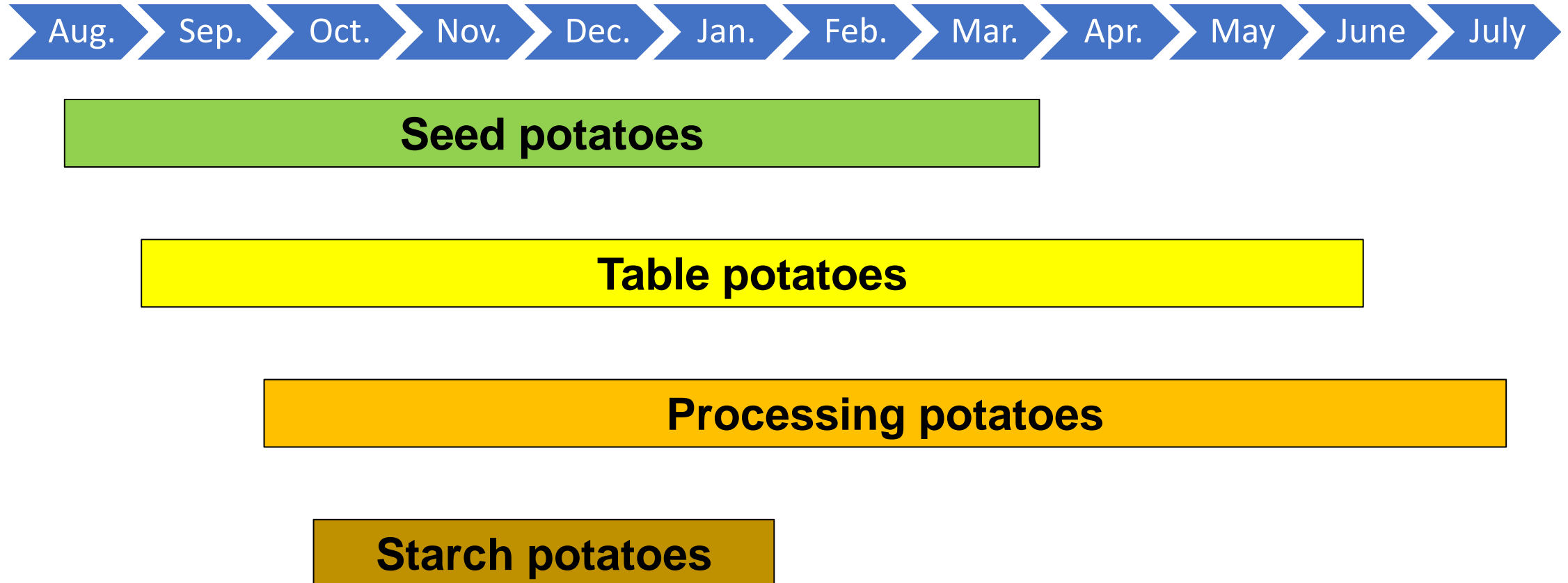
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- **North-western Europe and Germany**
 - EU: Green Deal, Farm to Fork
 - Lower Saxony: Arable Farming and Grassland strategy
 - Reduced use of fertilizers and pesticides







Average storage duration of potatoes of different utilization directions in Germany







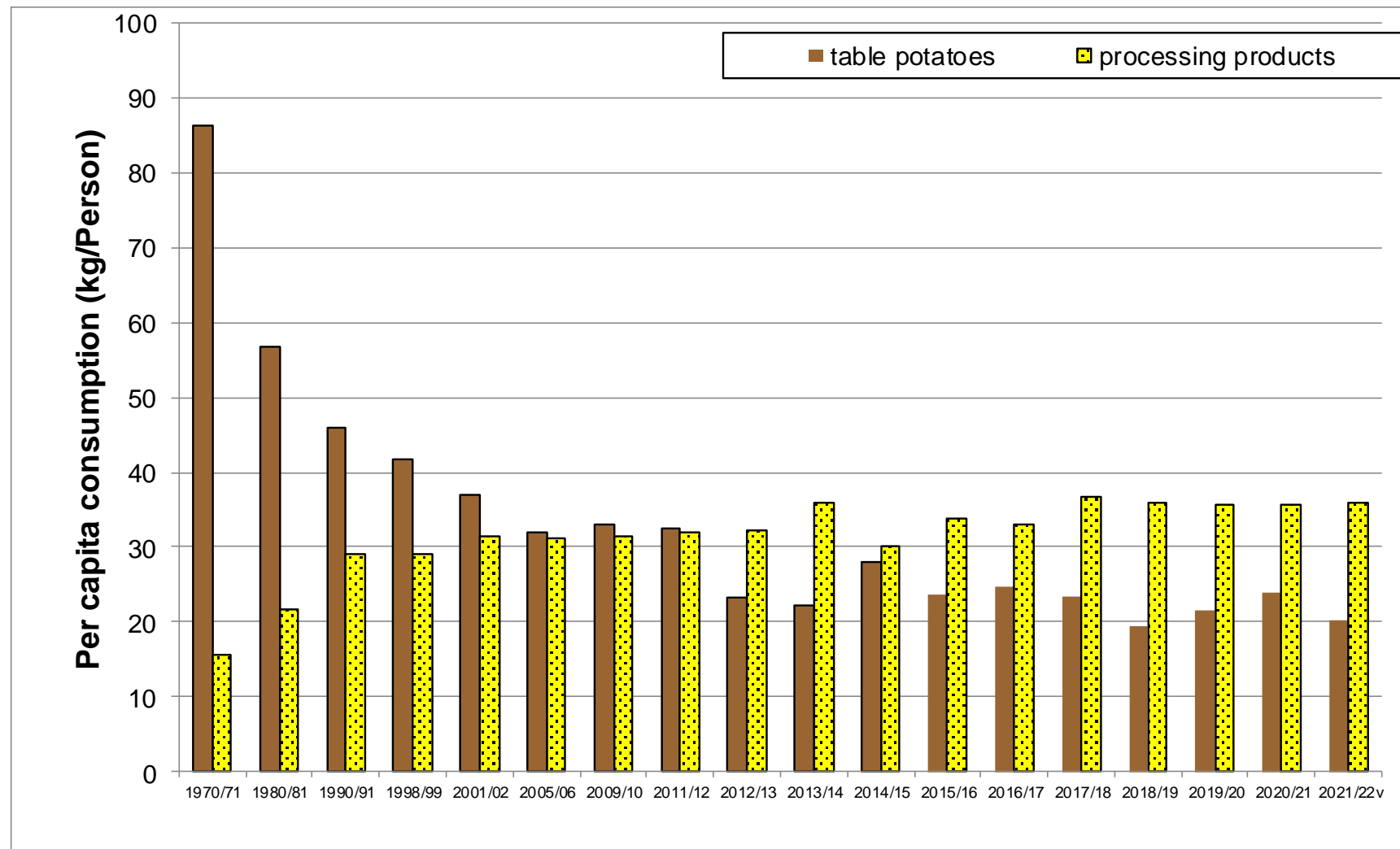




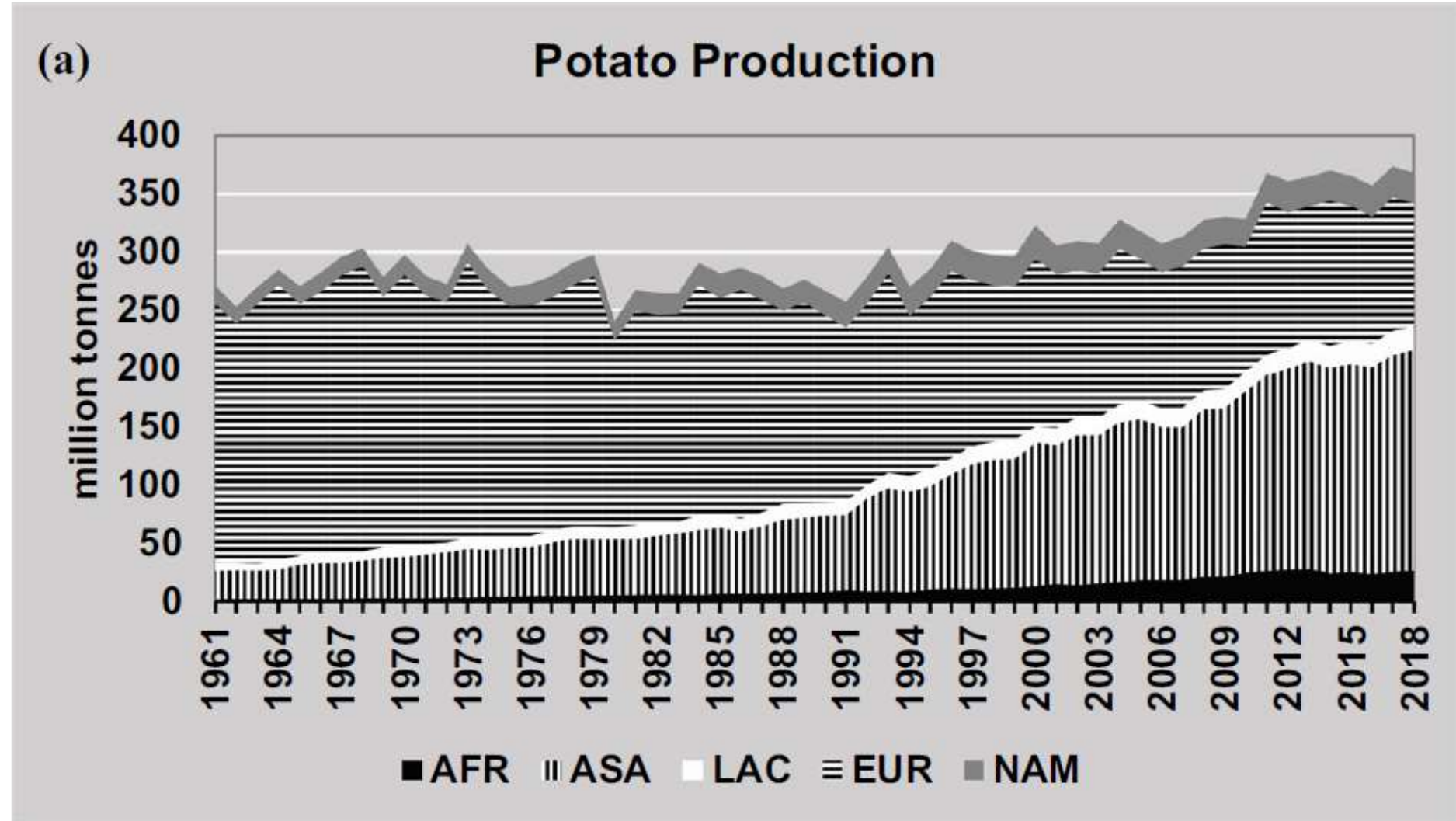








Per capita consumption of potatoes in Germany



Development of the global potato harvest



Take home

-  The continuation of the high productivity of potato cultivation in Western Europe is uncertain
-  Legislation at EU and national level will lead to changes in cultivation and mechanisation technology
-  The trend toward consumption of more processed products and fewer table potatoes is increasing with the prosperity of the population
-  Future growth regions for potatoes are Asia and Africa