





Food and Agriculture Organization
of the United Nations

Applications for e-agriculture

Looking at more sustainable use of ICTs for agriculture

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ICTs for agriculture = e-agriculture



Agriculture and the SDGs

There is enough food produced to feed everyone in the world, however about 800 million are chronically hungry



1/9 people suffers from hunger

**1/3 of food production
is lost or wasted**

1/3 farmland degraded

75 % crop genetic diversity lost

22 % animal breeds at risk

Average age of farmers is increasing

**Women own less land
and lack access to resources.**



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e-agriculture 10 year Review Report

Implementation of the World Summit
on the Information Society (WSIS)
Action Line C7. ICT Applications:
e-agriculture

www.fao.org/3/a-i4605e.pdf



World Summit on the Information Society (WSIS)

Geneva, December 2003

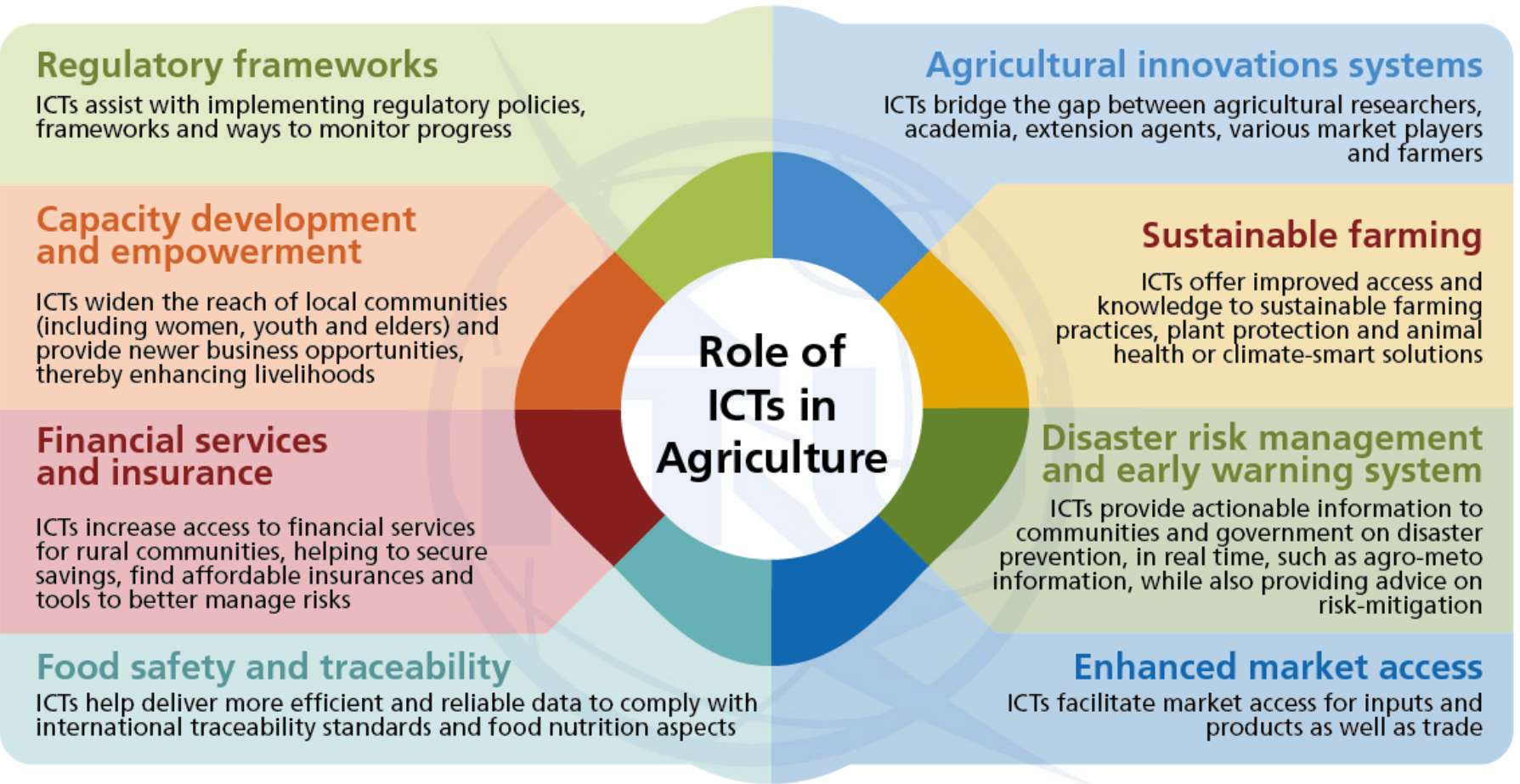
Tunis, November 2005



Geneva Plan of Action WSIS Action Line

C7. ICT applications:
benefits in all aspects of life
'e-agriculture'





Applications of e-agriculture

Video

<https://www.dropbox.com/s/n2c9gaq97udqn5f/e-agriculture%20full%20EN%20vo%20green%20FINAL.mp4?dl=0>



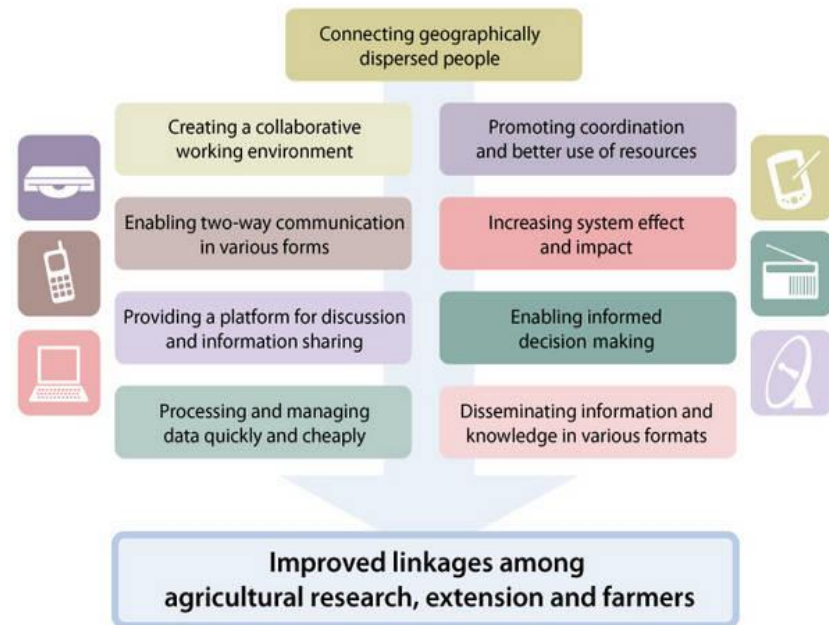
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VIRTUAL EXTENSION and RESEARCH
COMMUNICATION NETWORK

As from early 2000's
VERCON continues
after pilot phase
at a national scale





From VERCON to
Single Window System

=

Entry point for the farmer
to get information on agriculture
advisory services
and financial instruments

Reduce the triple divide : digital, rural and gender

7 factors of success

Success factor 1: Content

Success factor 2: Capacity development

Success factor 3: Gender and diversity

Success factor 4: Access and participation

Success factor 5: Partnerships

Success factor 6: Technologies

Success factor 7: Sustainability

9 principles for digital development



Addressing key building blocks

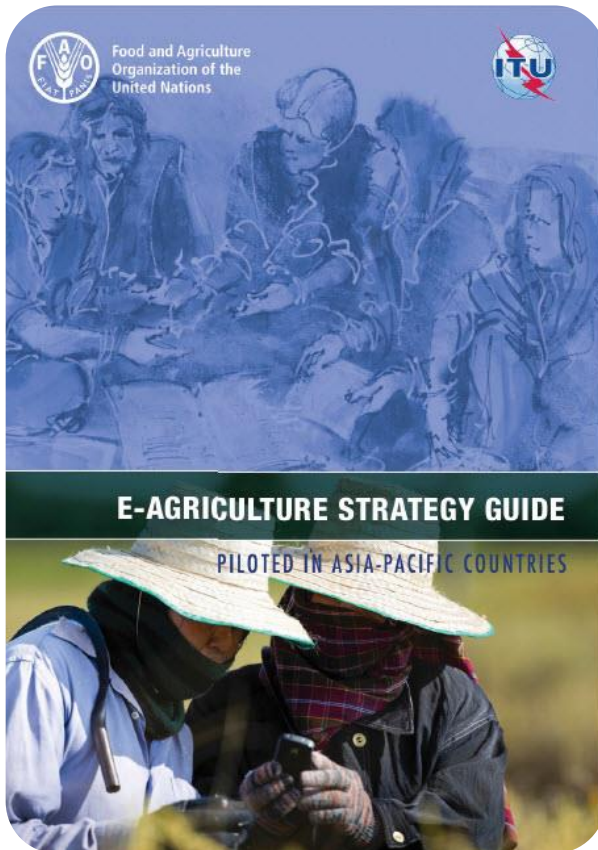


- Infrastructure
- Interoperability
- Reliable Data
- Data sharing/ privacy
- Policies & Regulations

- Digital Literacy
- Gender-Digital Divide
- Data Analytics
- Capacity Development
- Support to Innovations



E-agriculture strategy guide



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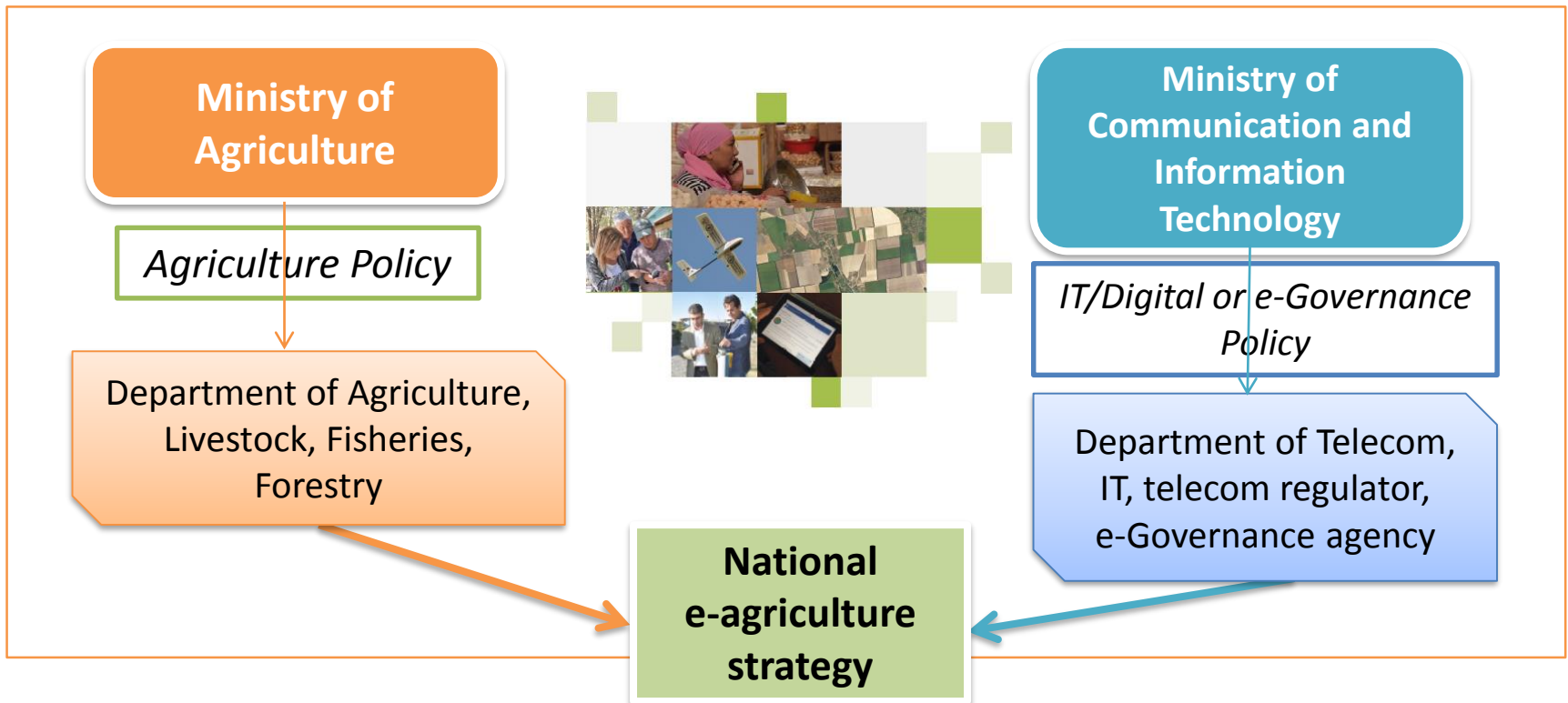
This framework is used to assist countries to identify, design and develop sustainable ICT solutions/services to overcome challenges faced in agriculture or to accelerate achieving national agricultural goals.



English: www.fao.org/3/a-i5564e.pdf

Russian: www.fao.org/3/I9515RU/i9515ru.pdf

Developing national e-agriculture strategy

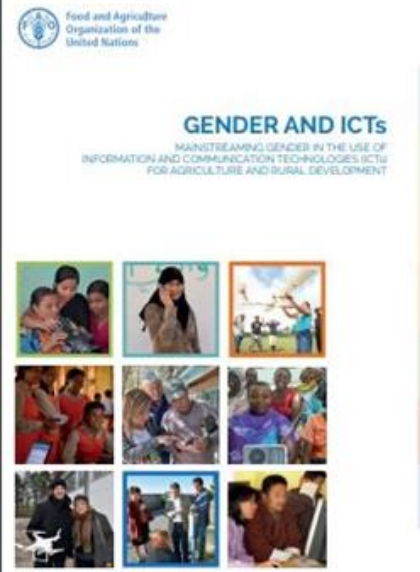
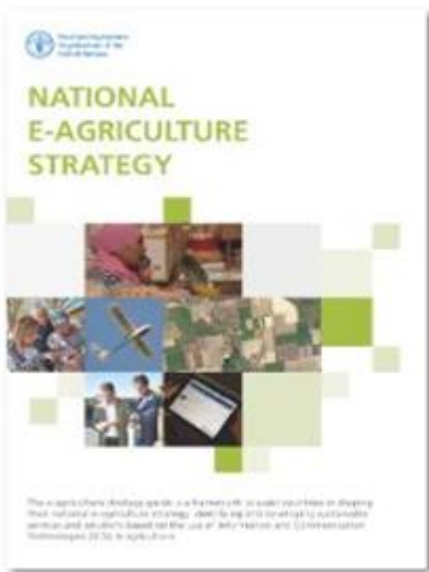


National e-agriculture strategy

is a comprehensive framework to develop sustainable e-agriculture services and solutions

Thank you

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