

Harmonizing ASTI and ASTII

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Outline of Presentation

- **Introduction to ASTI program**
- Recent evidence for Sub-Saharan Africa
- Next phase of ASTI and collaboration with NEPAD/ASTII

Background – ASTI initiative

- ASTI compiles, processes, and publicizes data on institutional developments, investments, and human capacity trends in **agricultural** R&D in developing countries worldwide.
- Led by IFPRI; funded by BMGF.
- Collaborative network with a large number of national, regional, and international partners.
- First-hand data collection on institutional basis.
- Covering government, higher education, nonprofit (and private for-profit) R&D agencies.
- Focus on input indicators (for now)

Methodology

- ASTI data collected based on internationally accepted definitions and statistical procedures for compiling S&T statistics (OECD's Frascati Manual).
- This facilitates comparisons of ASTI datasets with other relevant S&T datasets.
- FAO definition of agriculture: crops, livestock, forestry, fisheries, natural resources, etc.
- Aim is to provide:
 - Trends (to measure progress/digress over time)
 - Comparative information (higher/lower relative to others) across countries and regions

Portfolio of ASTI Data at Country Level

- Institutional setup of agricultural R&D
- R&D spending time series data by cost category
- Time series data by funding source
- Time series data of researchers and support staff by degree and gender
- Age distribution of scientists (for some countries)
- Research focus data by commodity and thematic area

Coverage of 34 African countries

- Benin
- Botswana
- Burkina Faso
- Burundi
- Congo (Rep. of)
- Côte d'Ivoire
- Eritrea
- Ethiopia
- Gabon
- The Gambia
- Ghana
- Guinea
- Kenya
- Madagascar
- Malawi
- Mali
- Mauritania
- Mauritius
- Morocco
- Mozambique
- Namibia
- Niger
- Nigeria
- Rwanda
- Senegal
- Sierra Leone
- South Africa
- Sudan
- Tanzania
- Togo
- Tunisia
- Uganda
- Zambia
- Zimbabwe



Current ASTI Outputs

The collage displays three key ASTI outputs:

- Sierra Leone Report:** A report titled "SIERRA LEONE RECENT DEVELOPMENTS IN AGRICULTURAL RESEARCH" published by ASTI and SLAR. It includes a section on "INVOLVEMENT AND CAPACITY TRENDS IN AGRICULTURAL R&D" and a "Key Trends Since 2000" box.
- Sudan Website Screenshot:** A screenshot of the ASTI website for Sudan. It features a "Key Trends since 2000" section with a map of Sudan and a line graph. Below the graph, it lists key findings: "Public agricultural research and development investments doubled during 2001–08 following government support, but the country's total R&D investments as a percentage of agricultural GDP remained among the lowest in Sub-Saharan A," "Human resource capacity in agricultural R&D increased steadily after the turn of the miller reaching 1,020 fulltime equivalent (FTE) rese 2008," "Agricultural R&D is largely funded by the n government; donor funding is limited," and "In the years to come, Sudan's key challenge maintaining highquality research and avoiding".
- Africa Report Cover:** A report cover titled "POLITIQUE ALIMENTAIRE RAPPORT R&D AGRICOLE EN AFRIQUE DANS LE NOUVEAU MILLENAIRE" with the subtitle "Des progrès pour les uns, des défis pour d'autres". The cover features a graphic of a globe with a bar chart and a line graph.

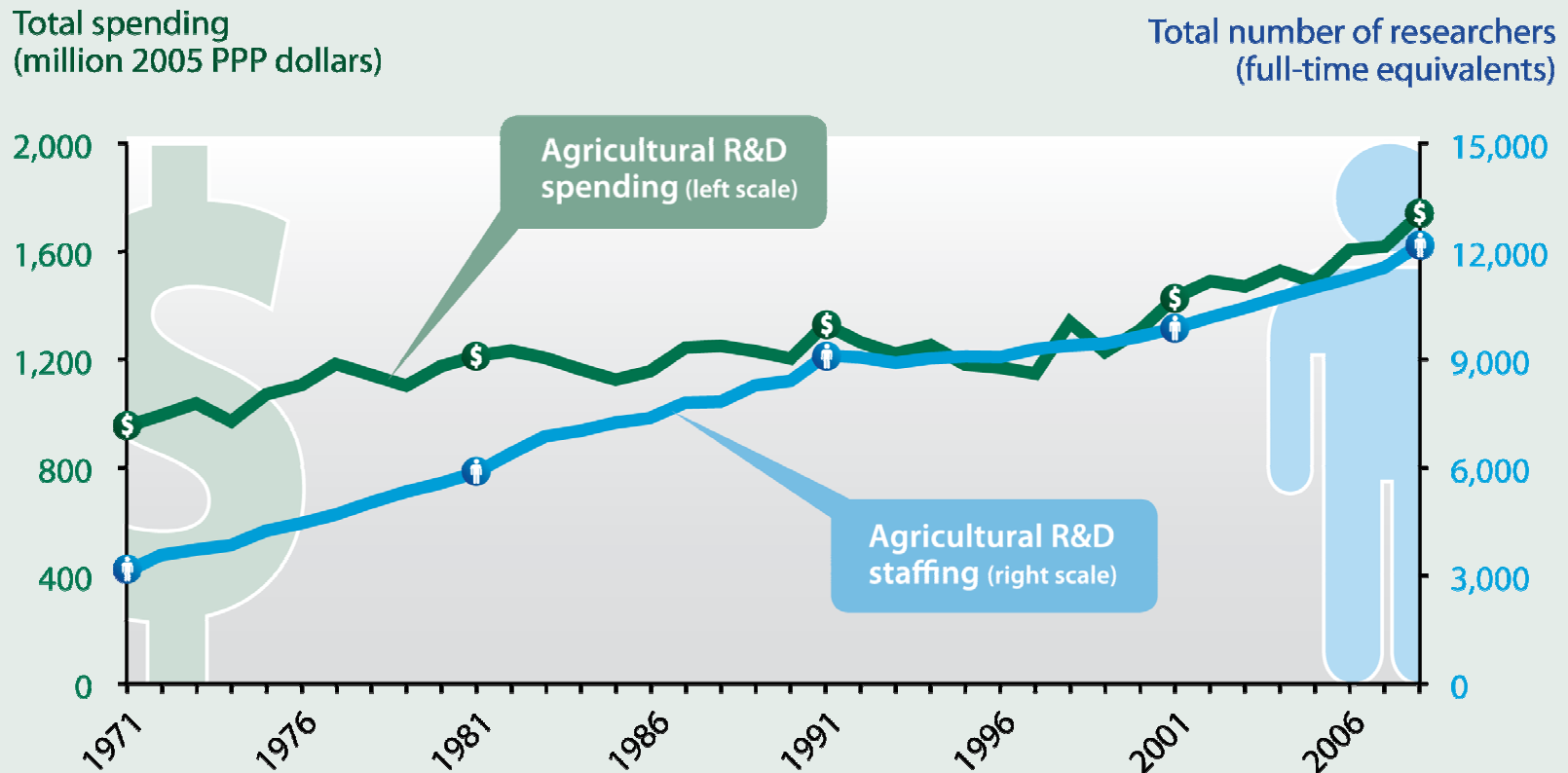
- Country notes
- Regional and subregional reports
- Data in-focus sheets
- Datasets and country profiles
- Country/regional/other seminars and presentations
- Analytical assessments
- ASTI website (www.asti.cgiar.org)
- ASTI blog (astinews.ifpri.info)
- Press releases/media outreach events

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Long-term Investment and Capacity Trends in Agricultural R&D in Africa

- Overall, agricultural R&D investments and capacity increased by roughly 20 percent during 2001–2008



Main Drivers of Growth in African agricultural R&D spending, 2001–2008

- Most of this growth occurred in only a handful of countries and was largely the result of increased government commitments to boost low salary levels and to rehabilitate neglected infrastructure.

