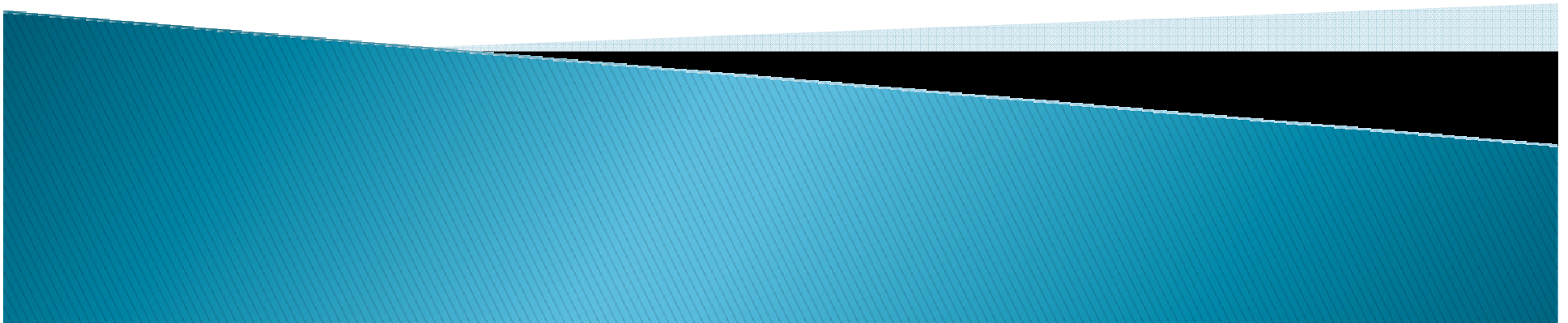


# The OECD NESTI Model

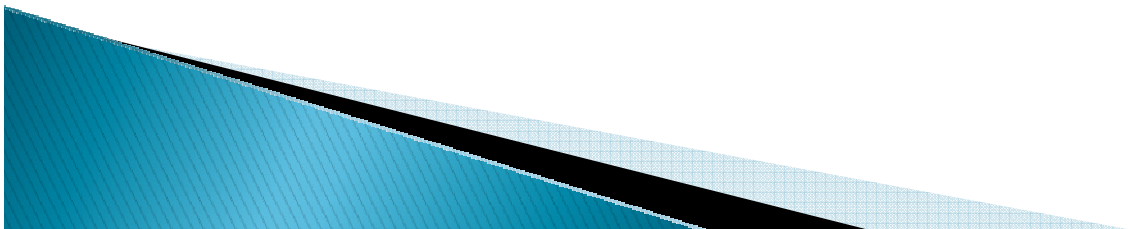
Fred Gault  
UNU-MERIT and TUT-IERI

ASTII 1 – Results and Lessons Learned  
May 23, 2011  
United Nations Convention Centre (Conference Room 2)  
Addis Ababa, Ethiopia



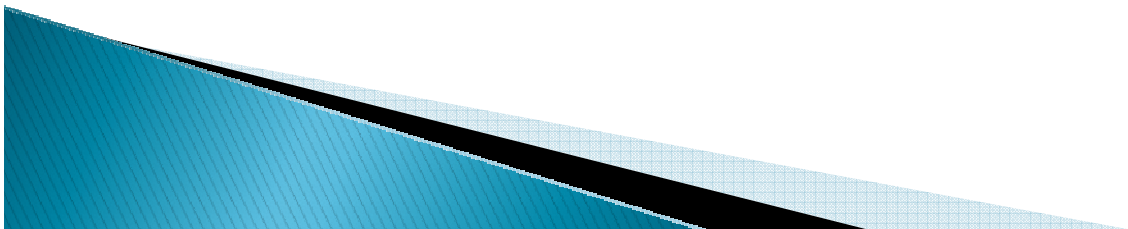
# OECD/NESTI

- ▶ The Working Party of National Experts on Science and Technology Indicators (NESTI)
  - Over 50 year of experience developing concepts and definitions for science, technology and innovation
  - Chaired by a member country and operates by consensus
  - Responsible for the Frascati Family of Manuals
    - Including the OECD/Eurostat Oslo Manual
  - All 34 OECD member countries are participants
  - Active participation from observers
  - **AU/NEPAD became an observer in 2007**



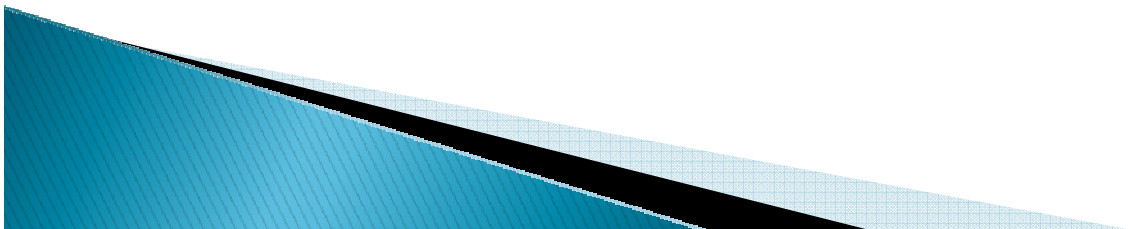
# OECD/NESTI

- ▶ NESTI members are producers and users of statistics
  - Key to producing feasible and usable indicators
- ▶ Indicators are widely disseminated and used
  - Main Science and Technology Indicators (MSTI)
  - OECD Science, Technology and Industry
    - Outlook
    - Scoreboard
  - Databases, STAN, ANBERD, ... much used in capitals
- ▶ Supported by a professional Secretariat



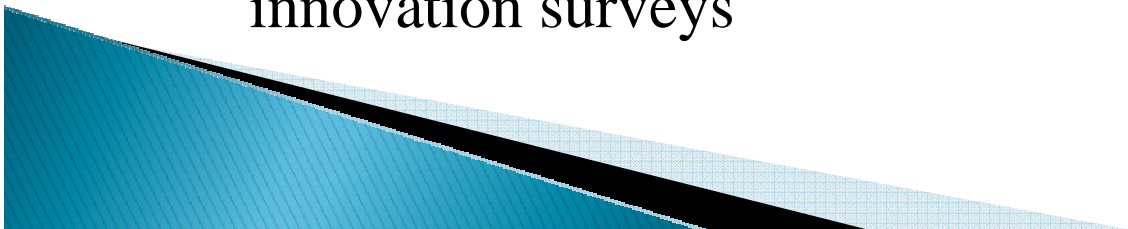
# OECD/NESTI

- ▶ **Key points about the OECD/NESTI model**
  - Chaired by a member country
  - Decisions made by consensus
  - Mix of users and producers
  - Professional secretariat that manages
    - Dissemination
    - Links with other organizations and other parts of OECD
  - **Members do much of the work and share the costs**
    - Surveys are done and paid for by member countries
    - Member countries influence the programme of work of NESTI
  - NESTI influences the work of its parent Committee
    - Committee of Scientific and Technological Policy (CSTP)



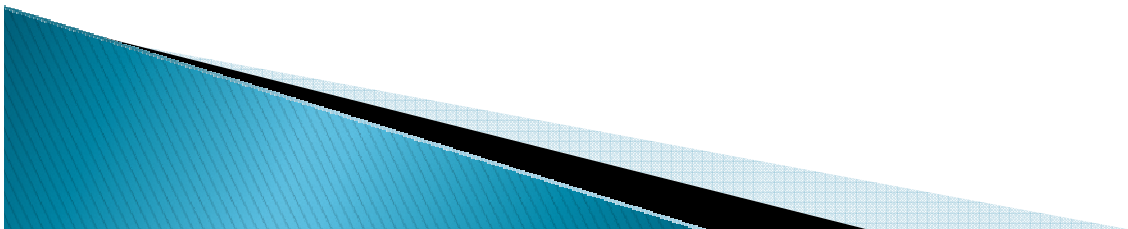
# ASTII: Planning the Work

- **Some key events in the history of ASTII**
- NEPAD (2006) *African Science, Technology and Innovation Indicators (ASTII), Towards African Indicator Manuals: A Discussion Document*
  - Report and work programme from an expert meeting in 2005
- 2007 The African Intergovernmental Committee on Science, Technology and Innovation Indicators met in Mozambique
  - Adopted the Frascati Manual and the Oslo Manual for use in Africa
  - NEPAD joins NESTI as an observer
- ▶ 2008 March NEPAD Training Workshop
  - Draft NEPAD Questionnaires proposed for R&D and innovation surveys



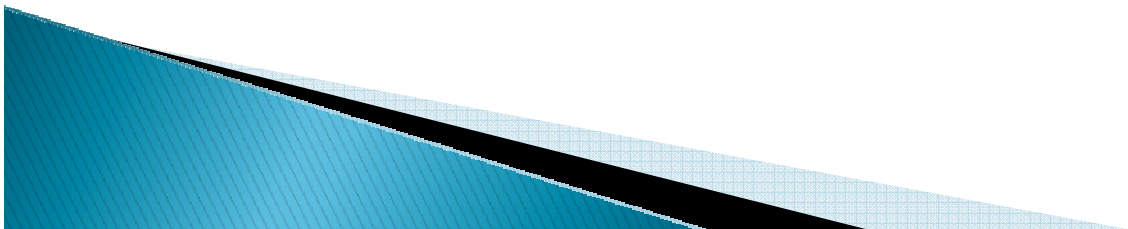
# ASTII: Gaining the Knowledge

- ▶ 2008/9 Surveys launched
- ▶ 2010 Results
- ▶ 2011 African Innovation Outlook Released
  
- ▶ Knowledge gained at each step
- ▶ ‘Training’ sessions are now knowledge exchange sessions.



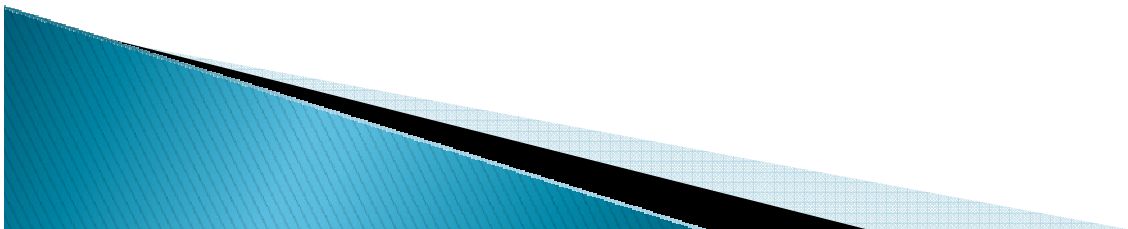
# ASTII/NESTI

- ▶ ASTII Phase 1 countries are a potential core of an African NESTI
  - First task is to integrate Phase 2 countries
  - Standardize the surveys
  - Do the next round of surveys
  - Plan the next AIO
- ▶ The role of the Secretariat and the Observatory are key to success



# ASTII/NESTI

- ▶ **A call from the past -**
- ▶ “In ten years (2015), there should be a well respected Working Group of National Experts on African Science and Technology Indicators and the first members of a growing family of African manuals on measuring technological and related social change and a record of measurement and analysis in the *African Innovation Outlook*. **Achieving this is the challenge.**” NEPAD (2006)



# Key Questions

- ▶ For an ASTII NESTI, how do you make it and its products -
  - **Sustainable** – how to share the costs
  - **Relevant** – using the findings in the policy process
  - **Timely** – Reporting regularly on recent STI events in Africa,
  - and
  - **Accessible**

