Vision

The Ethiopian industrial sector is competitive and the living standards of the society are enhanced.
Ethiopia’s National Capacity Building Programs

- Civil Service Reform
- Justice Reform
- Tax System Reform
- Rural Development Capacity Building
- Urban Development Capacity Building
- Information and Communication Technology Capacity Building
- Cooperatives Capacity Building
- Civil Society Capacity Building
- General Education Reform
- Business and Industrial Capacity Building
- Textile and Garment Capacity Building
- Agricultural Training of Vocational and Technical Levels
- Industrial Training on Vocational and Technical Levels
- Higher Education Reform
- Engineering Capacity Building Program
National Framework

- National TVET Strategy
- PASDEP
- Joint Donor Strategy for Private Sector Development
- Relevant National Strategies & DAG working groups
- Industrial Development Strategy of Ethiopia

ecbp engineering capacity building program
ecbp- Ethio-German Development Cooperation

- Owned by the Ethiopian Government
- Jointly Financed & Implemented by both Governments
Phase I (2005-2008)
- Preparation phase
- Pilot projects
- Implementation
- Implementation
- Roll-out & scale-up
- Impacts

Road Map (in line with: TVET strategy, PASDEP...)
- SPM
- Annual Plans
Core Principles

- ecbp is an Ethiopian Integrated Industrialization Program
- ecbp is based on international benchmarking of best practices
- Capacity building forms the basis of ecbp interventions
- ecbp is working as change agent program with many Federal and Regional Public and Private Sector Partner Institutions
- Consider ourselves not Direct Implementers but CHANGE AGENTS

ecbp interventions at all levels:

- micro (individual - entrepreneurs…)
- meso (institutional - TVET colleges, universities, chambers…)
- macro (political – capacity building on joint strategy for development between the government and private sector)
Some of the key partner ministries are

- Huge Ethiopian Reform Program demanding working with many sectors/stakeholders
  - Ministry of Education
  - Ministry of Trade and Industry
  - Ministry of Health
  - Ministry of Agriculture
  - Ministry of Urban and Works
  - Ministry of Science and Technology
  - Etc
- Regions, Industries Privet Sector Associations etc
ecbp Regionalization

- ADDIS ABABA
- AMHARA +
- TIGRAY +
- DIRE DAWA +
- OROMIA
- SNNPR +
# Priority Sectors

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<th>Leather</th>
<th>Agro processing</th>
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ecbp cubed

- Construction
- Metal
- Textiles
- Leather
- Agro Processing
- Pharmaceuticals

- Federal
- Addis Ababa
- Amhara + cluster region
- Dire Dawa + cluster region
- Oromia
- SNNPR + cluster region
- Tigrai + cluster region

- University Reform
- Technical Vocational Education and Training
- Quality Infrastructure
- Private Sector Development
The four ecbp components:

Goals addressing the supply side:
- University Reform
- TVET Reform

Goals addressing the demand side:
- Quality Infrastructure
- Private Sector Development
The Organizational Structure of eCapacity Development

- eCapacity Development
  - eEducation
    - Innovative Learning (OLPC)
    - eLearning
    - eLibrary
  - ePrivate Sector
    - Electronic Ethiopia
    - eTourism
    - eEntrepreneur
      - Business Skills
      - Business Software
Horizontal Linkages – concrete examples

- Based on the value chain approach, horizontal linkages are integrated into the program to address bottle necks and to complement synergies between components

**University Reform - Quality Infrastructure**
- Metrology introduced into University Curricula
- Rehabilitation of University Laboratories

**TVET Reform - Private Sector Development**
- Cooperative and In-Company Training
- Ethio – skills Competition
- Internships
Working Team

ecbp Sector Specialists

Technical Teams (Regions)

Regions

ecbp – Steering Committee (BoCB, BoTI, TVET, Universities)

University

TVET

QI

PSD
Strategies of Implementation of ecbp

- Use different implementation approach:
  - Value Chain Analysis
  - Cluster Development Approach
  - Twining Arrangements between institutions
  - Company Reengineering Through Benchmarking
  - Match making and Investment promotion
  - Out grower Schemes
  - etc
Value chain

Ecto parasite
Program &
other skin
UpgrEcto

parasite
Program &
other skin
UpgradinEcto

parasite
Program &
other skin

Company upgrade

Company upgrade

Investment
promotion
matchmaking
Private Sector Development

Company upgrading through benchmark implementation and matchmaking

Twinning arrangements and joint stakeholder action plans

Capacitating line Ministries

Value Chain Approach

Cotton Farming, Cotton Ginning, Spinning, Weaving, Dyeing & Finishing, Garment Manufacturing, Customs, Finance, Transport
Major Achievements
University Reform

- 92 Study Programs revised and applied (pre-accredited BSc and MSc programs have been started at 11 faculties (45 BSc, 34 Masters, 13TVET Teachers) - ases for modern and demand-oriented systems
- UNIVERSITY INDUSTRY LINKAGE offices are established in 7 IoTs and now in process to establish in another 4 faculties
- Governing Systems for Higher Education (Technical University, Institutes of Science and Technology, Schools) developed
- 1 Technica University & 5 IoTs are established and started implementation of Strategic Plan 2 IoTs will start very soon
- Mandatory Internship System has started
Qualified Interns
University Reform

New Governance Structure

Existing Universities
- Faculty of Technology

New Structures
- Technical University
- Institute of Technology

Organizational Structure: IoT

- President
- Supervisory Board
- Scientific Director
- Managing Director
- Speaker
- Financial Affairs
- Department I
- Human Resources
- Department II
- Student’s Registration
- Department III
- Technology Transfer
- Qualified Internship

Council
eLearning & eLibrary Launched
TVET Reform

- TVET System Policy Documents Design revised, approved and applied
- Cooperative Training and In-Company Training introduced
- Main regional TVET Agencies fully functional
- Hundreds of Occupational Standards developed
- CoC centers are established in the regional TVETs and Occupational assessments started
- New Teachers Qualification Framework Pathway defined
Occupational Standards and Assessments
Quality Infrastructure

- NQI Strategy Drafted and Approved
- First Ethiopian Certification Body internationally accredited
- 13 companies ISO 9001:2000 certified
- 179 Quality Managers Trained, 21 lead auditors
- 1100 calibration services given to regional laboratories by the mobile calibration truck
- Technology Capability Accumulation and Transfer (TeCAT) working document produced by benchmarking South Korea and the NQI Strategy has harmonized with TeCAT.
Certified Quality
National Quality Infrastructure Setup

Customer Authorities Purchaser

Applicable to all products and processes

National Value Chain

Product Certification: CE, GS, etc

System Certification: ISO 9000, ISO 14000, HACCP, etc

National Standards

International Standards

Testing, Analysis

Investigation

Certificate

Testing Laboratories

ISO17021 Guide 65 etc

Accreditation

IAF, ILAC

ISO, CODEX, IEC

Intercomparisons

Proficiency tests

BIPM

RMOs

National Metrology Labs

• Calibration Labs

• Chemical Ref. Labs

Legal Metrology

Reference Materials

Calibration of Equipment

Traceability

Metrology

NQI

Standards

• Products

• Processes

• National Standards

• International Standards
Private Sector Development

- 13 sector strategies developed
- More than 10 Value chain analysis is done for the priority sectors
- Private Sector Development has taken the lead in the Reform Process
- Industry takes strong interest in Ethiopia (outlook 25 Mio Euro potential Commissions)
- Leather sector exports increased by 13% in 2008 (compared to 2007)
- Export of shoe upper, by 1.6 Mio Euro, Finished Leather Products by 3.5 Mio Euro (all direct ecbp contributions)
- Pharmaceutical Industry starts Exports Turnover increased by 8 Million Euro
- After feasibility study of Bioequivalence study Ethiopia is selected to host the center through competition from 4 eastern African countries
Private Sector Development Contnd....

Creation of more than **50,000 jobs** (of which 45% are women and 100 are physically disabled persons); **410 chiselling micro enterprises / cooperatives established**; **29 cities** have so far benefited from training & returned for implementation; Paved **140,000 m²** of roads in 4 regional cities

- LLPTI and assessment finalized, financial arrangements and action plan accomplished (HR requirement/ Org. structure/ budget/ deliverables).
- Discussion underway to finalize agreement with German institutes for Eth. Meat and dairy techno. Institutes, TAI+ Bahir Dar Uni. and CEE
- Upcoming of German companies and two investments; proposal on the improvement of the new chamber law; implementation of strategic plans by associations (e.g. ETGAMA); supporting of all associations with web support.
- (result of eth. Biz day)

- 300 CEFE ToT trained; network of regional CEFE trainers will be established; on-the-job coaching facilitated.
Regional Value Chains
Major Challenges Encountered in Phase I
Internal Challenges

- Huge complex Country Reform Program took more time for preparation than expected
- There were no clear agreed upon holistic joint action plan with the stakeholders especially with the regions
- Much focused on the big industries rather than on MSEs
- There were no much efforts to consolidate best practice and scaling it up
- Lack of integration of some of the components into the partner institution
External Challenges

- Low political ownership of ECBP plan at different levels
- Not mainstreaming or integration of ECBP plan into the stakeholders/partners plan
- High expectation on the side of partners on ECBP at times consider ECBP as NGO type organization and expected to be finance by ECBP
- Not equal commitment from the side of the partner institutions
- High turn over of staffs of the partner institution-discontinuity of the interventions
- Difficult to get the required international experts in time and in the required numbers
Phase II Overall Goal and Objective

- The competitiveness of enterprises in promoted economic sectors with a high potential for employment and value added has improved significantly.
- The contribution of the manufacturing industry to sustainable GNP growth, exports, employment and foreign exchange revenue has increased significantly.
2nd Phase of ecbp

- Is a Full Implementation Phase
- Linkages will be Strengthen within the components horizontally & along the value chain Vertically
- The Private Sector Will Take its Leading Role
- Will be more Roll-Out & Scaling Up Phase of the Reform
- Will be Full impact Phase
- 2003-2007 E.C. Next 5 Years Plan
I Wish You a Fruitful & Successful Conference

Thank You