

Building Ethiopia



February 2010

Vision

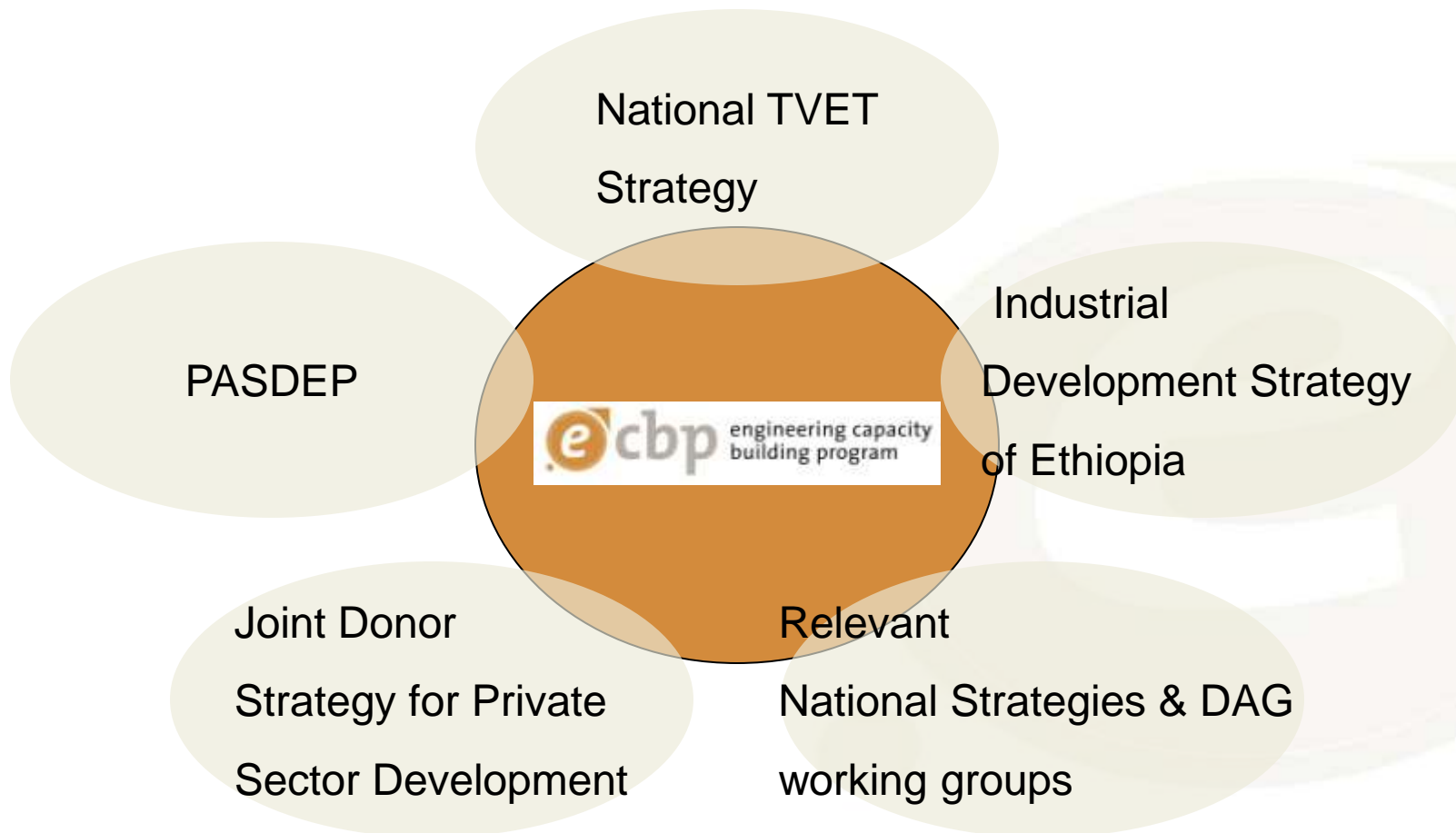
*The Ethiopian industrial sector is competitive
and the
living standards of the society are enhanced*



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



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

Road Map
*(in line with:
TVET strategy, PASDEP...)*

↓
SPM

↓
Annual Plans

**Phase II
(2009-2012)**

Implementation

Roll-out & scale-up

Impacts

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**

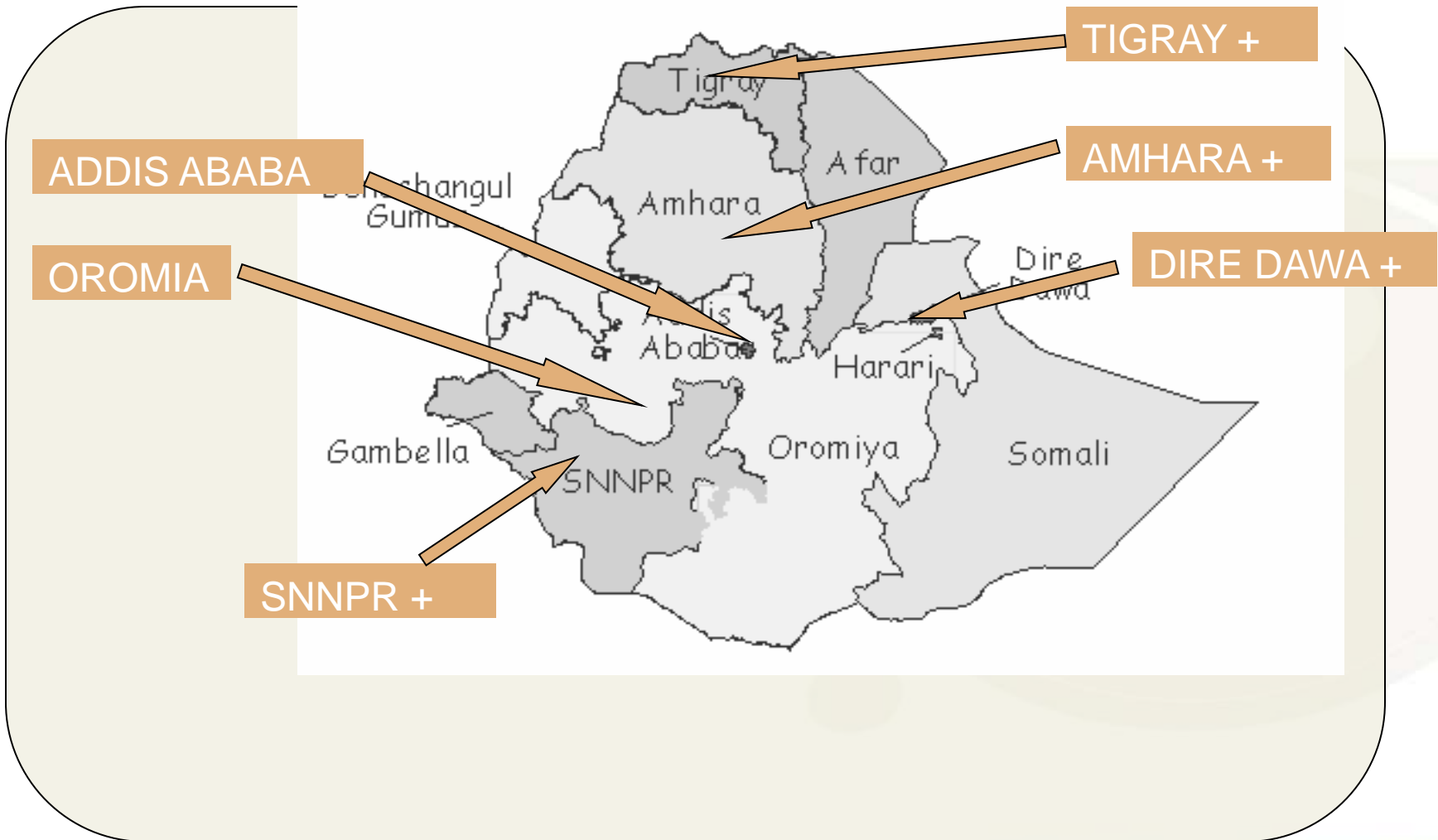
ecbp interventions at all levels:

- micro (individual - entrepreneurs...)
- meso (institutional - TVET colleges, universities, chambers...)
- macro (political – capacity building on joint strategy for development between the government and private sector)

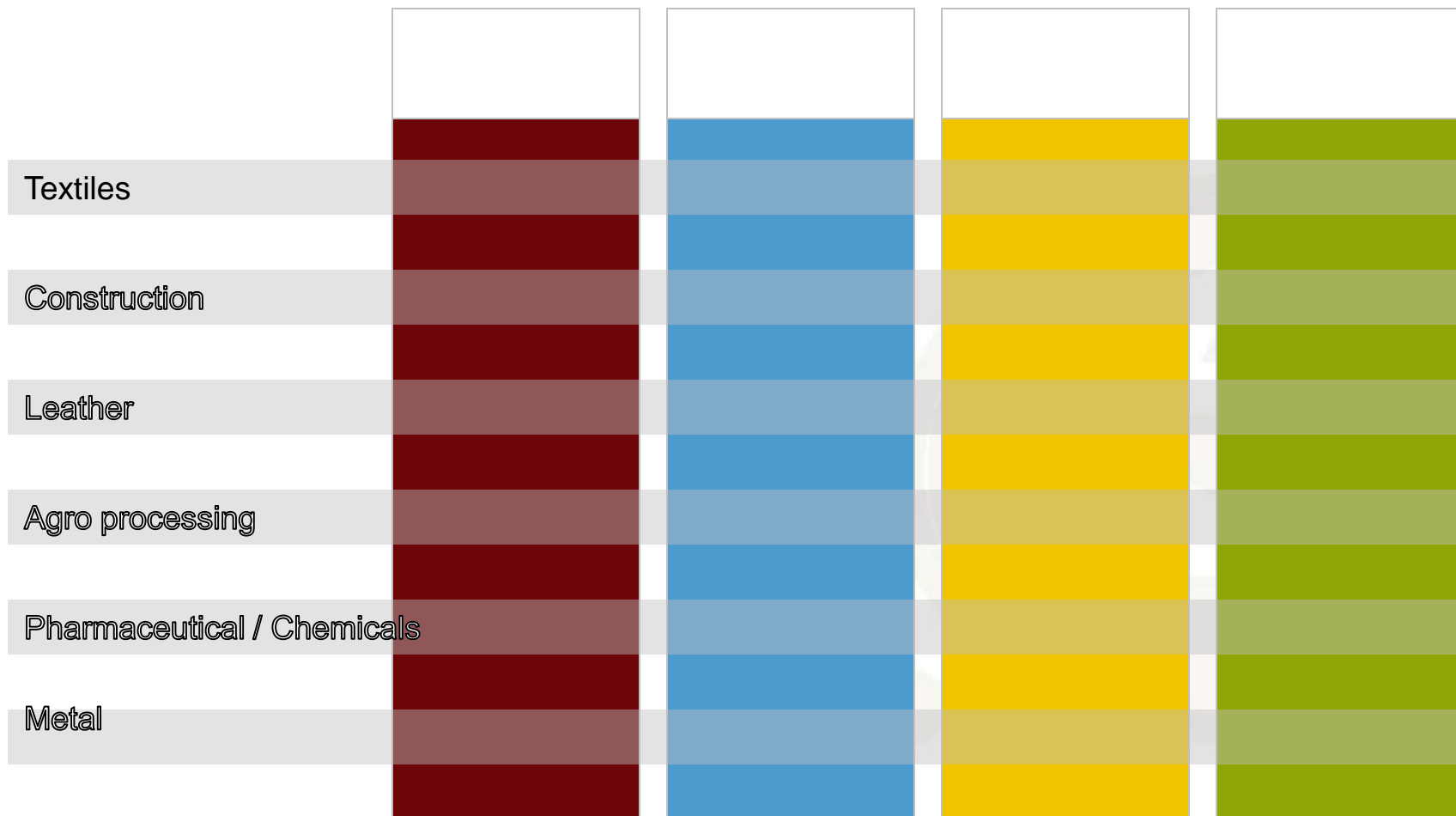
Some of the key partner ministries are

- 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

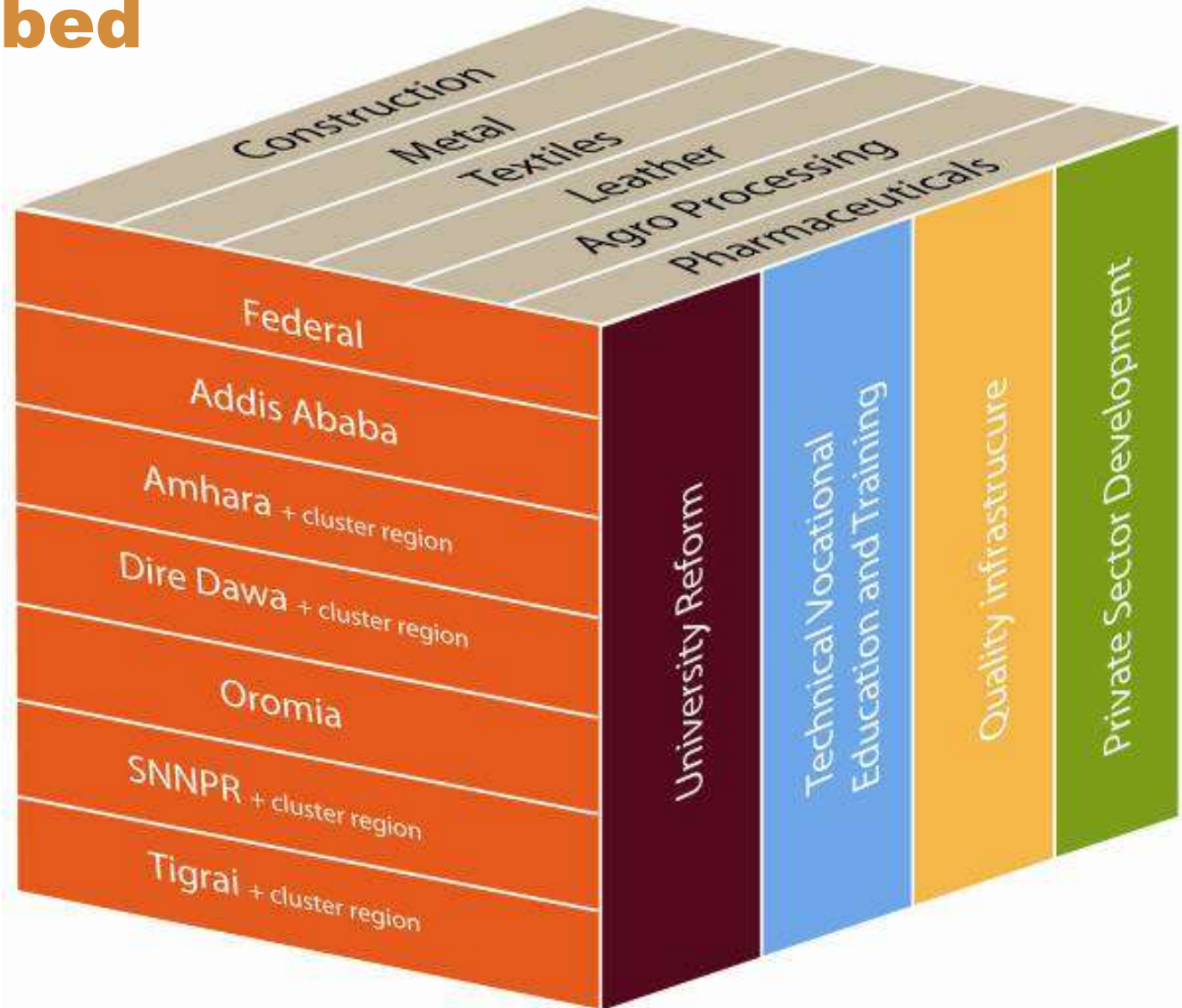
ecbp Regionalization



Priority Sectors

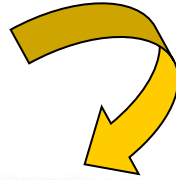


ecbp cubed



The four ecbp components:

Goals addressing
the supply side



Goals
addressing the
demand side

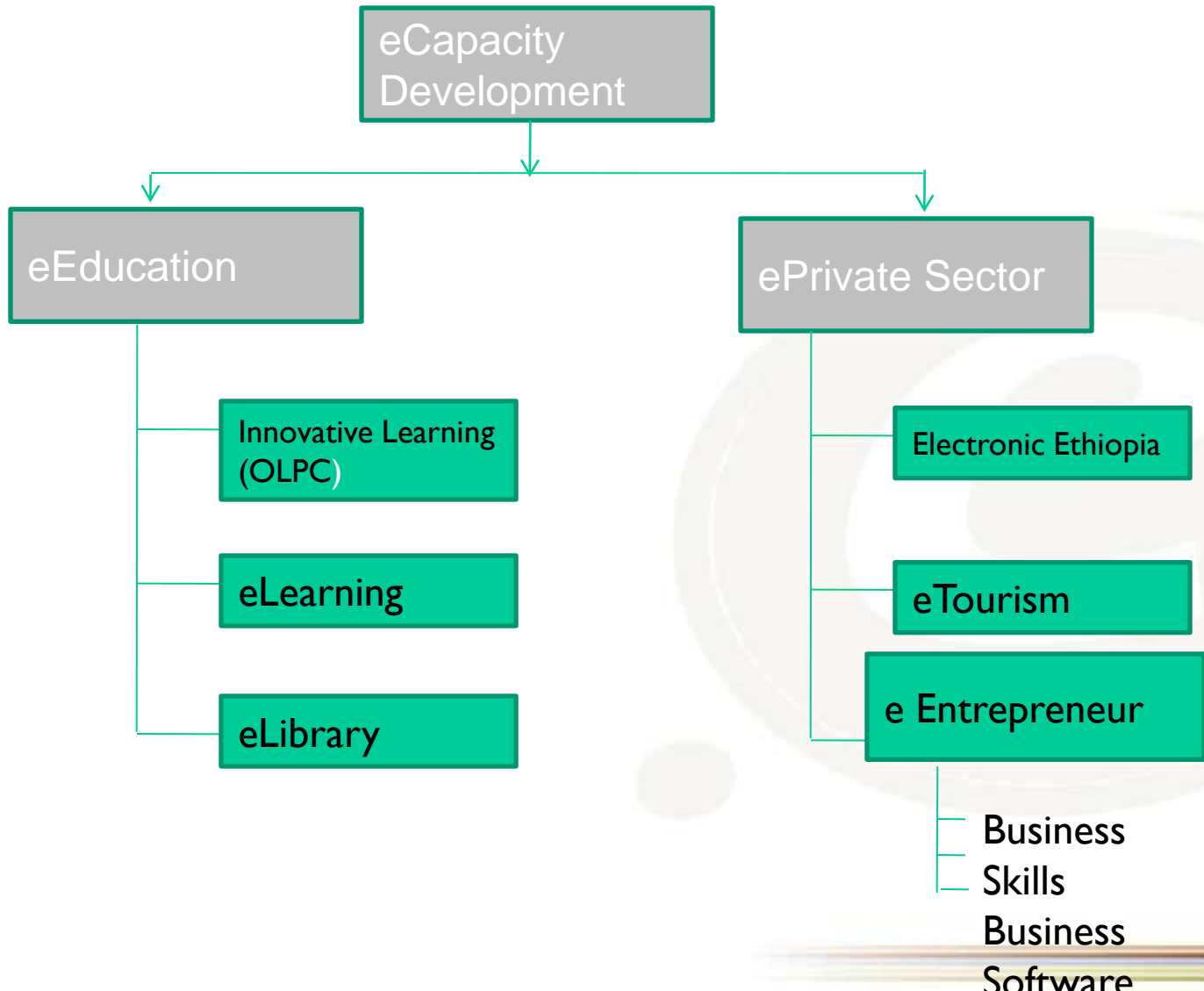
University
Reform

Quality
Infrastructure

TVET
Reform

Private Sector
Development

The Organizational Structure of eCapacity Development



Horizontal Linkages – concrete examples

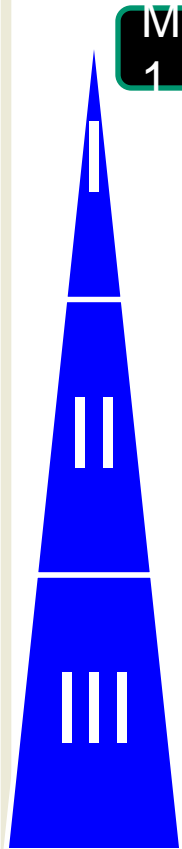
- Based on the value chain approach, horizontal linkages are integrated into the program to address bottle necks and to complement synergies between components

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

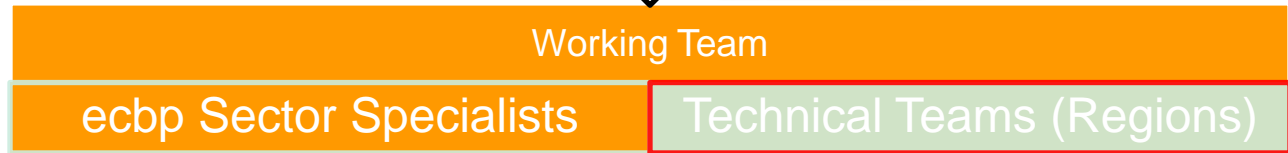
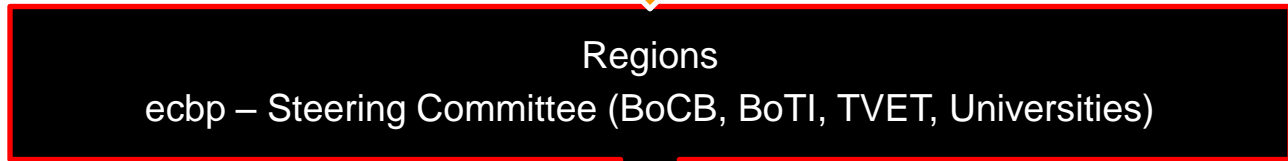
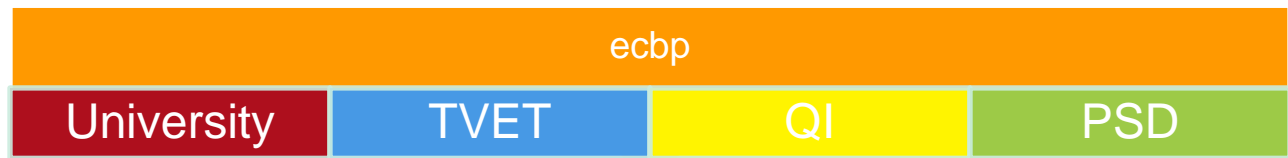


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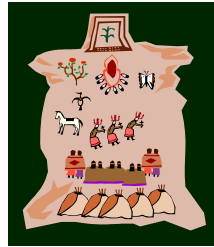
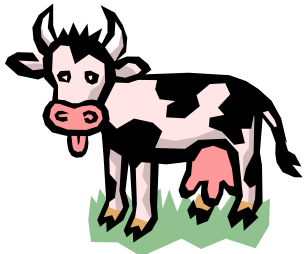
M
4



Strategies of Implementation of ecbp

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

Value chain



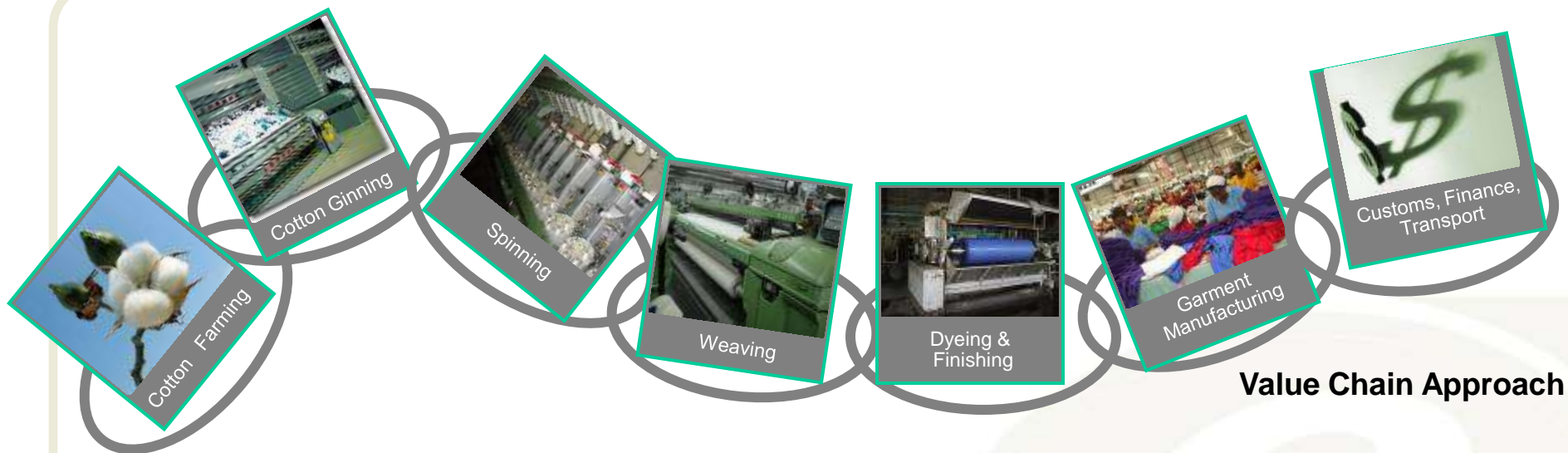
Ecto parasite
Program &
other skin
UpgrEcto

parasite
Program &
other skin
UpgradinEcto
parasite
Program &
other skin

Company
upgrade

Company
upgrade

Investment
promotion
matchmaking



Value Chain Approach

micro

Company upgrading through benchmark implementation and matchmaking

meso

Twinning arrangements and joint stakeholder action plans

macro

Capacitating line Ministries

Major Achievements



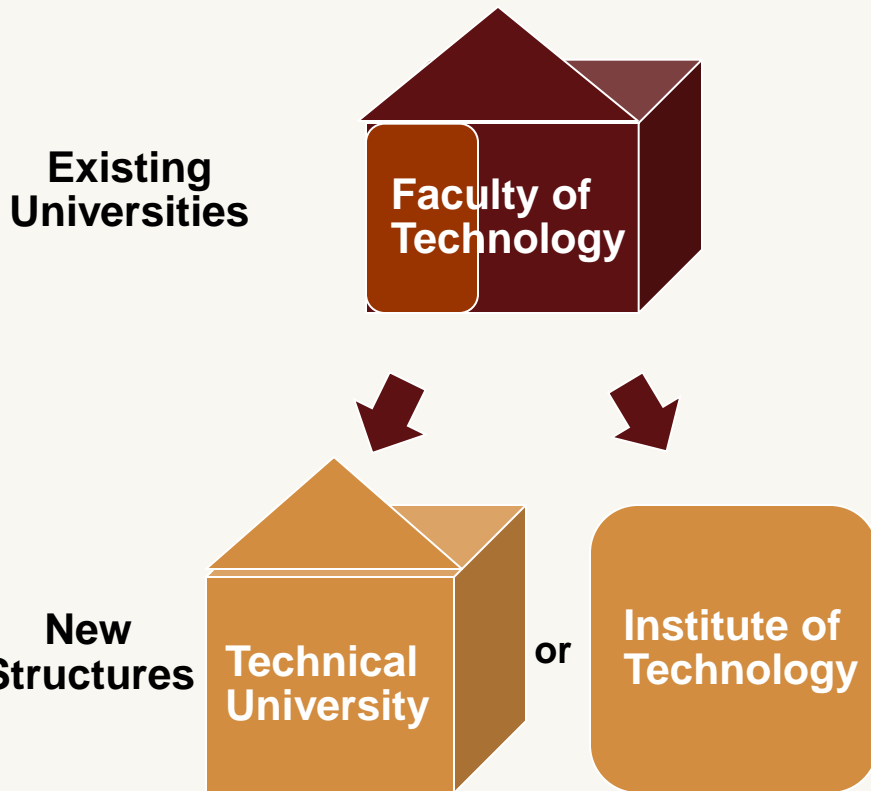
University Reform

- 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

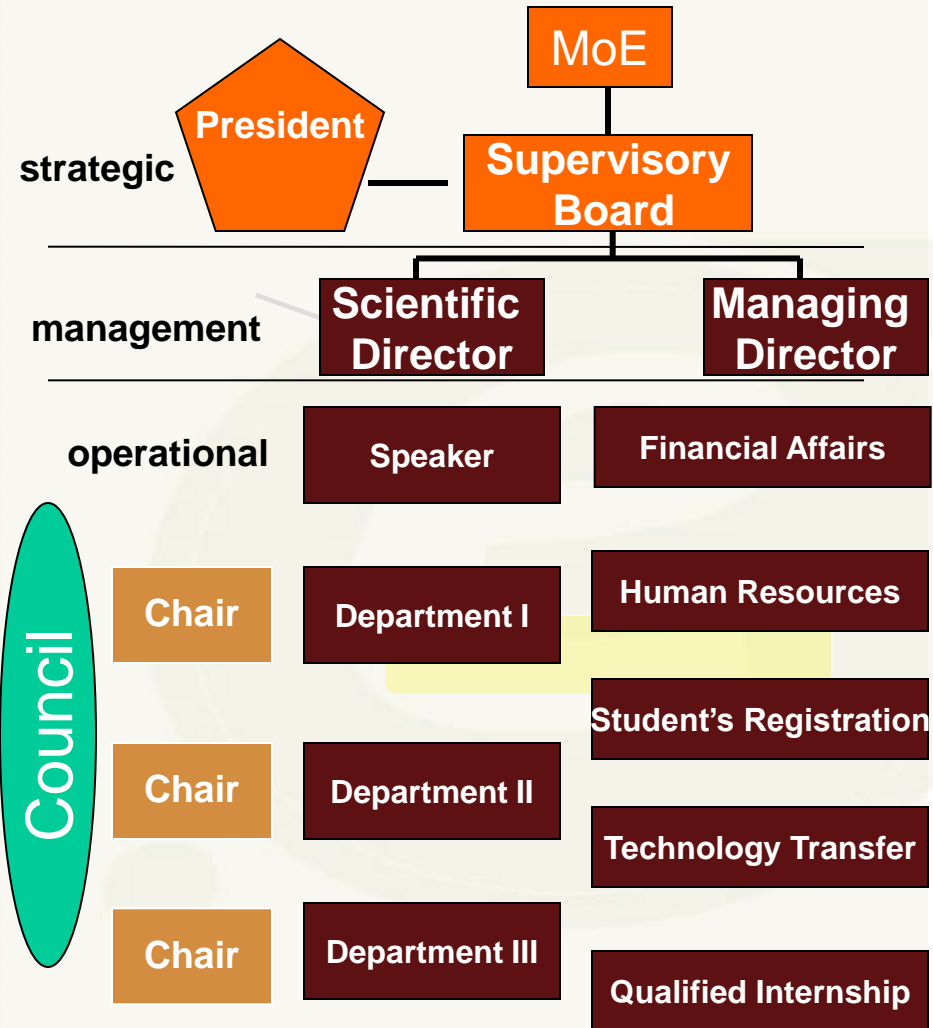
Qualified Interns



New Governance Structure



Organizational Structure: IoT



eLearning & eLibrary Launched



Course: Electrical Engineering
13.9584/moodle/course/view.php?id=...

EE03: Final Assessment

You are logged in as **Line Pabon** (Logout)

Switch role to: **Tom editing on**

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October 2009

Events Key
Global Course
Group User

Upcoming Events

Preview Final Assessment

Start again

Page: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 (Next)

1. MC
Mark: 1
Which of the following statements is false regarding stator flux of an induction motor?

Choose one answer:

- a. It is constant in magnitude
- b. It revolves round the stator at synchronous speed
- c. It induces emf in the rotor bars
- d. Its magnitude depend on the rotor loads

Save without submitting Submit all and finish

Page: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 (Next)

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Course Materials

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- Course Announcements
- Downloads
- Course Material Downloads
- Course Induction Machines (Adema)
- Induction Machines
- Course Assignment
- Assignment
- Upload your assignment

Please click at the "PLAY" button for the Introduction from Abu Kemal Ibrahim

EE03: Induction Machines

Unit: Induction Motors
Unit: Induction Motors

- Learning Objectives
- Advance Organizer
- 1.1 ELECTROMAGNETIC CONVERSION
- 1.2 Functionality Features
- Advantages
- Disadvantages
- Self Test Section
- 1.3 CONSTRUCTION FEATURES
- 1.3.1 Stator
- 1.3.2 Rotor
- 1.3.3 Squirrel-Cage Rotor
- 1.3.4 Phase-Wound Rotor
- Comparison

Phase-Wound Rotor

This type of rotor is provided with 3-phase, double-layer, distributed winding consisting of coils as used in alternators. The rotor is excited for as many poles as the number of stator poles and is always wound 3-phase when the stator is wound two-phase.

Figure 3.0 Cut-away view of wound-rotor induction machine

Unit: Induction Motor 3

EE03: Induction Motor 2

Unit: Induction Motor 3

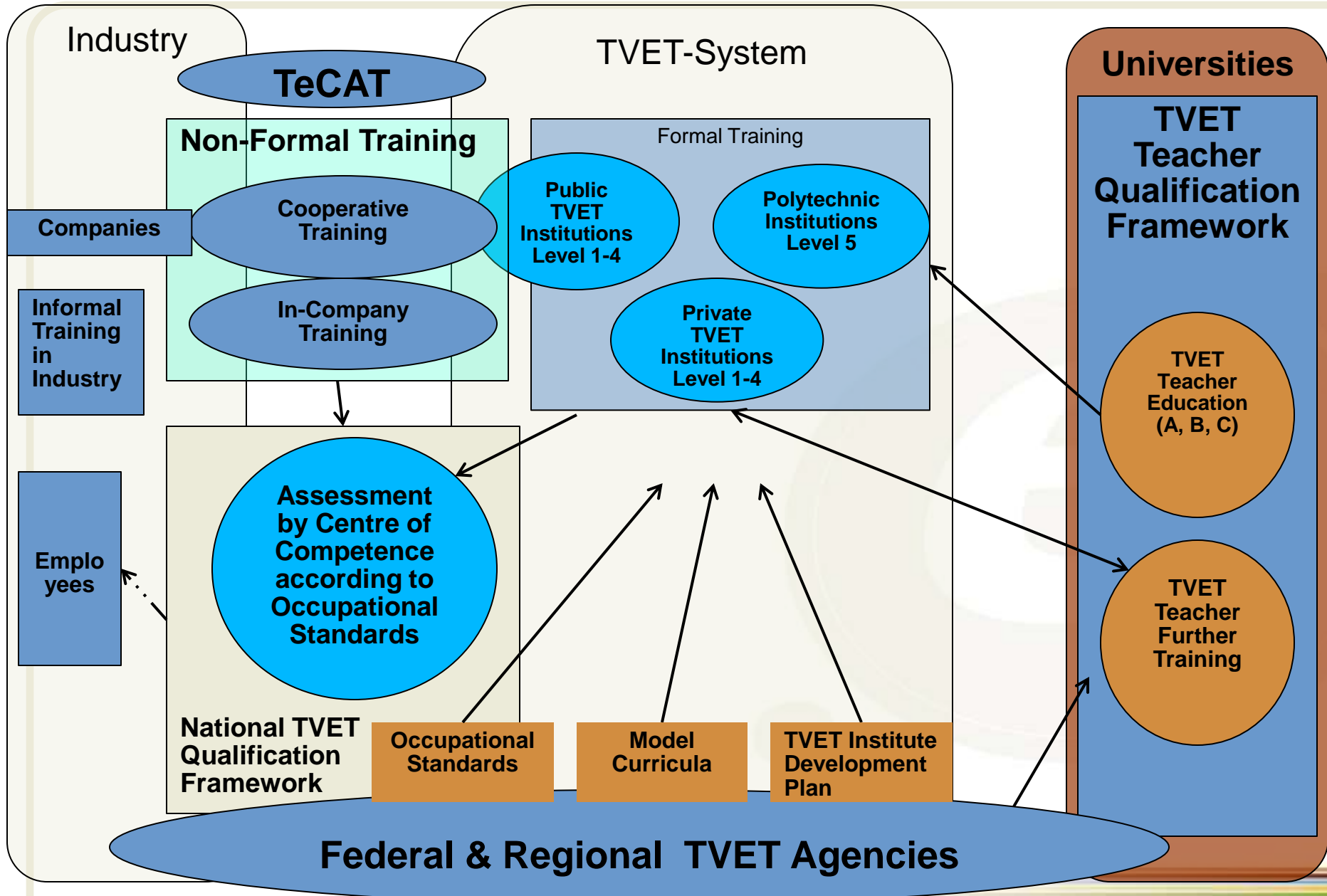
Unit: Induction Motor 2

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 are started
- New Teachers Qualification Framework Pathway defined

Occupational Standards and Assessments



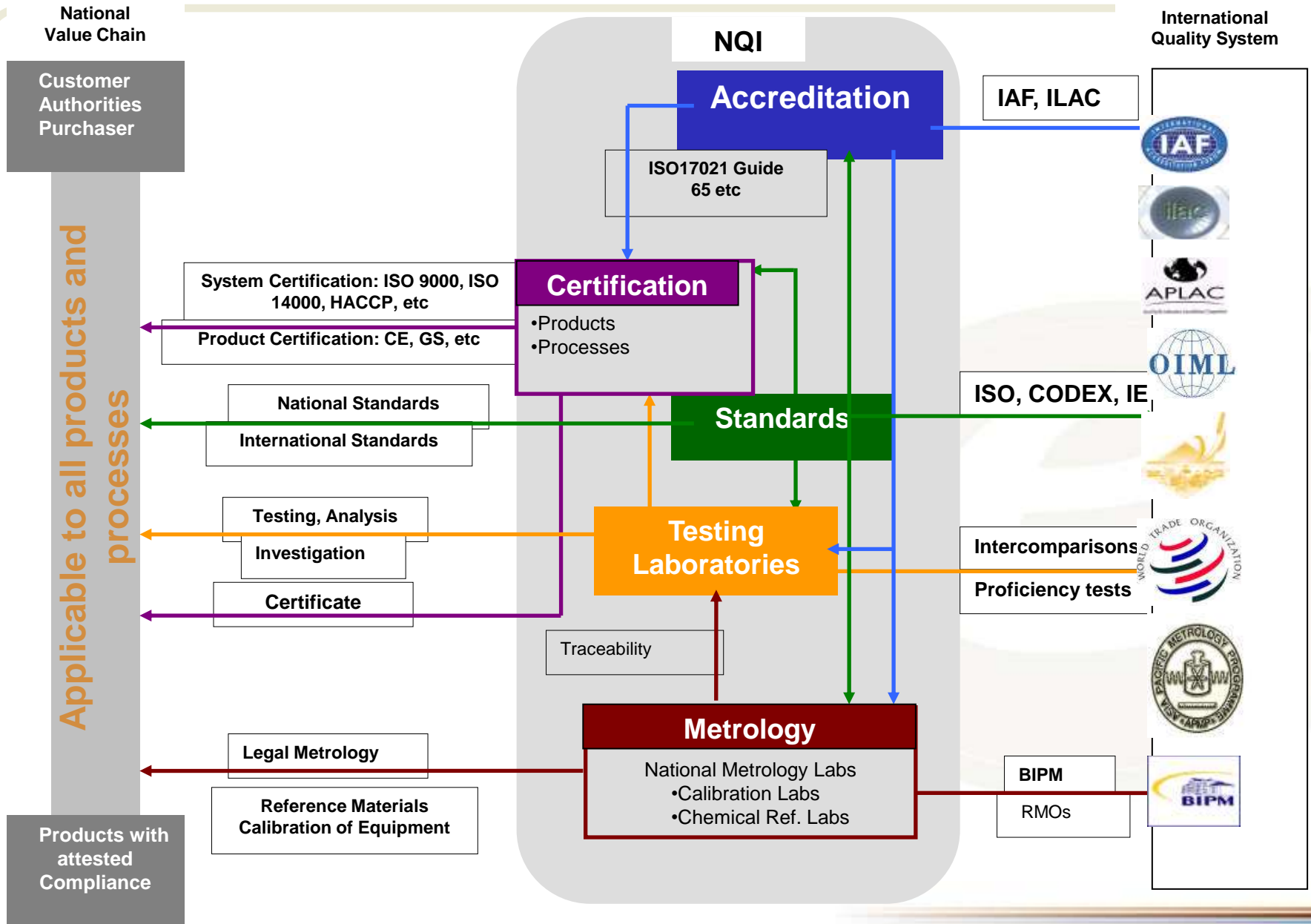


Quality Infrastructure

- 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





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....

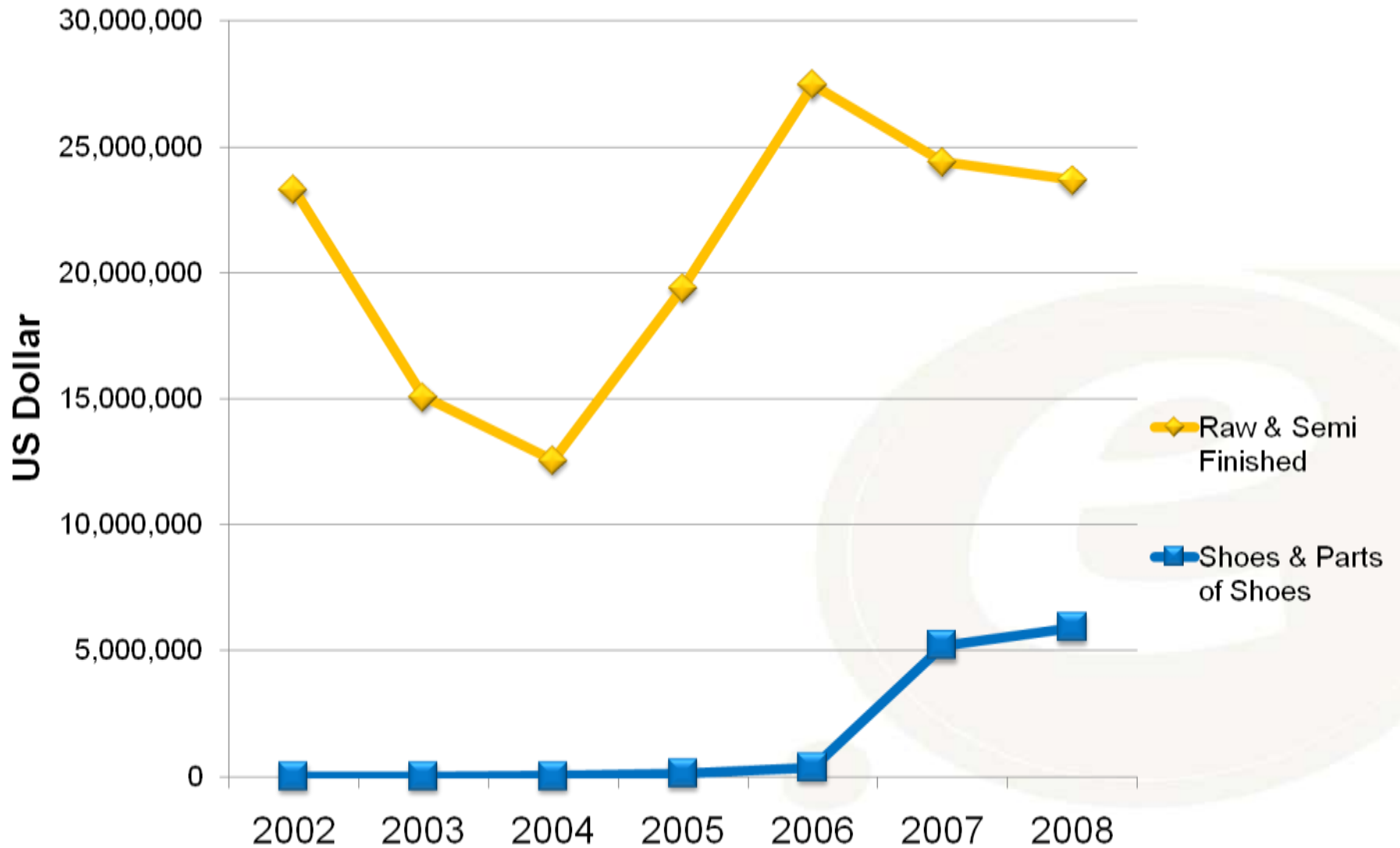
Creation of more than **50,000 jobs** (of which 45% are women and 100 are physically disabled persons); **410** chiselling **micro enterprises** / cooperatives established; **29 cities** have so far benefited from training & returned for implementation; Paved **140,000 m²** of roads in 4 regional cities

- LLPTI and assessment finalized, financial arrangements and action plan accomplished (HR requirements, 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 CEFÉ ToT trained; network of regional CEFÉ trainers will be established; on-the-job coaching facilitated.

Regional Value Chains



Export of Leather



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 stake holders 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 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

