

TRAINING AND CAPACITY BUILDING PROGRAMME

HYDRAULIC RESEARCH CENTRE
MINISTRY OF WATER RESOURCES, IRRIGATION AND
ELECTRICITY

Second Annual Scientific Seminar
18 December, 2016; Khartoum, Sudan

This Presentation

- 2020 strategic targets
- Operating principles and approach
- Achievements in 2016
- Plans for 2017

2020 Strategic Targets - HRC

Organizational strategy: a regionally recognized centre of excellence in research, capacity building & consultancy services

Human resources:

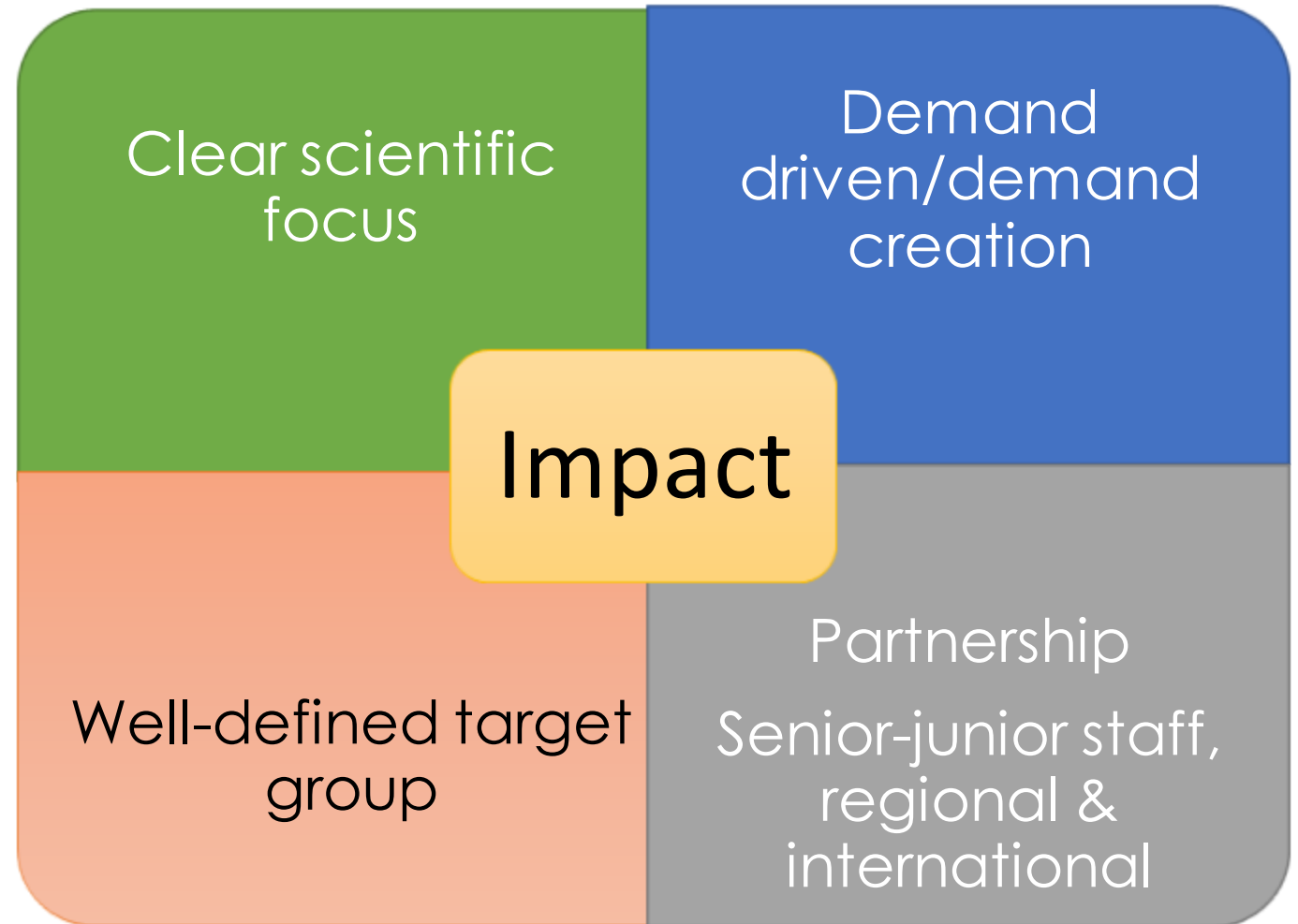
- 3 strategic thinkers with leadership qualities
- 6 capable project managers/coordinators
- 12 top class researchers with high analytical capacity
- 24 solid research assistants
- 18 efficient laboratory and field technicians
- 20 effective support staff (communication, secretariat, public relations...)

Recruitment:

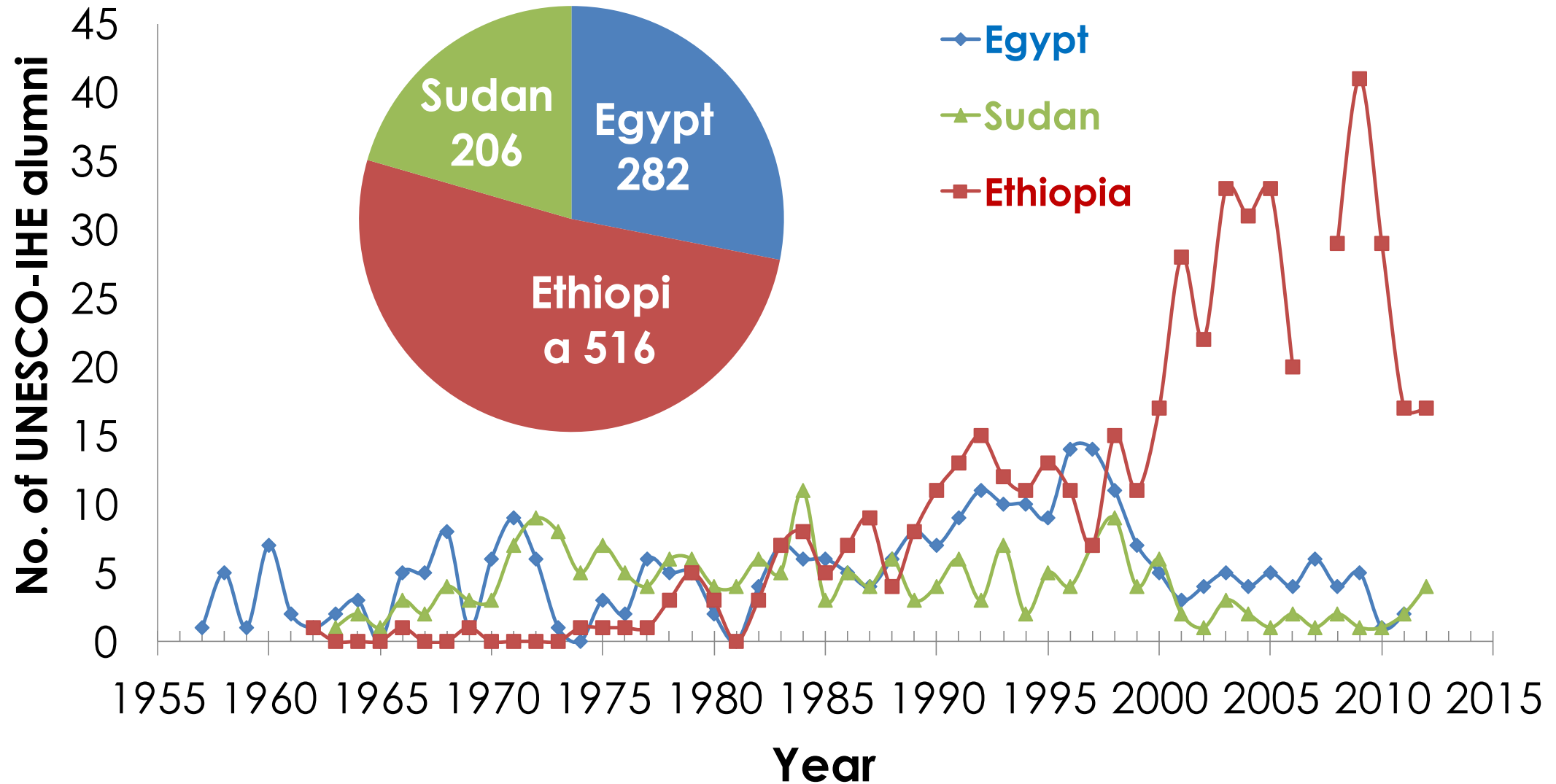
- 10 top young talent recruited each year leading to 80 researchers by 2020

Operating Principles and Approach

- A continued agenda setting at national & regional levels
- Contribute to solving water related problems by combining multiple assignments & engaging partners at various levels
- Measure success by outcomes & impact - not by a catalogue of activities undertaken



How Do We Compare?



Major Achievements in 2016

Training scope	When	No. of trainees
National training course for dam engineers	12 to 14 January	56
National training workshop on water harvesting	25 to 26 June	95
International consultative workshop: problems and solutions for Gezira Scheme	21 to 26 February	43
International tailor-made training on water management in mega irrigation schemes	14 to 25 August	26

Gezira Irrigation Scheme Workshop

Detailed 3-year work-plan and budget



1. Human resources and services

- New recruitments: 70 engineers, 350 gate operators; 700 to 1000 unskilled labourers
- *Organizing at least one training programme annually*
- Improved housing ,offices equipment communication facilities

2. Upgrading minor canals, structures

3. Sediment and weed control

4. Upgrading main canals

5. Start upgrading drains



Gezira Workshop- The Follow-up

TMT Course in Water Management in Mega Irrigation Systems



22 of the 24 participants found the course extremely useful and recommended to be given on a regular basis



Gezira Workshop- The Follow-up

Ministry of Water Resources, Irrigation and Electricity: Concrete Actions

- Recruitment of engineers is underway
- Head and field offices are being renewed – providing an enabling work environment
- Sediments are being removed and canals are being rehabilitated

To support this endeavor, HRC is currently working on options to offer the course *Water Management in Irrigation Systems* on bi-annual basis for at least the coming 2 years

Major Achievements - HRC Staff Capacity Building

Short and long-term trainings, seminars, workshops

- 1 completed PhD from Gezira University
- 3 are doing their PhD while 6 are engaged in MSc studies abroad
- 2 participated in the international course on flood-based farming course in Nairobi, Kenya
- 6 contributed to regionally relevant courses and seminars covering ICT, environmental hydrology, flood forecasting and water management
- 8 were engaged in various national capacity building activities covering irrigation & water management as well as the use of remote sensing

2017 Targets in Numbers

- 2** International/regional and **5** national short courses
- 1** PhD and **2** MSc graduations expected
- 2** (at least) to start MSc here or abroad
- 1** *will participate in the one-year internship programme (technical, research organization, personal qualities) under FBFS project:*
 - 2 months in the Netherlands
 - 6 months in Sudan
 - 3 months in one of the partner countries
- 2** will participate in the leadership course in the Netherlands
- 15** to get opportunities to contribute in various trainings, seminars and workshops



Thank you so much – Welcome at HRC