

SEIFU TILAHUN

ENSURINGTHE

to sustain water for agriculture & resilience





LONG-TERM TRAINING

- → Irrigation management & engineering program
- → Graduate students: 4 PhD, >24 MSc

SUPPORTING THE SCIENTIFIC TRAINING OF GRAD STUDENTS

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METHODS FOR RESEARCH, ANALYSIS, AND PLANNING

- → IDSS SWAT, APEX, FARMSIM Decision support tools and analysis: 6 academic staff
- → Surveys
- → Field/action research
- → Data collection

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THEMATIC TRAINING

- → Agricultural Water Management
- → Water quality assessment
- → Conservation agriculture
- → Shallow groundwater assessment for SSI

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MULTIPLE LEVELS IN-FIELD

- → Farm/ Local: >120 HH farmers
- → National research institutes, university, government

GRAD STUDENT

OUTCOMES

- > 5 ILSSI students continued doing their PhD
- > Over 25 peer reviewed OA journal publications increasing individual and institutional visibility and knowledge transfer



> Story of Nigus

- Employed at Irrigation and Low Land Development Bureau
- Project coordinator for Seqota declaration project
- Study and design of small and medium scale irrigation
- Installation of solar power irrigation and drip system

IMPROVING THE INNOVATION ECOSYSTEM AT MAKERSPACE

A common space where ideas, equipment, and knowledge are shared

- building scientific skills and application in the private and public sectors
- supporting entrepreneurship
- developing relevant skills for industry



HACKATHON OUTCOMES

- Rensys Engineering posed six challenges
 - HCD training and pitching:
 >75 students
 - Internship:13 students

Developed
ICT systems for
Rensys to expand
sales of solar pump

- Client assessment tool
- Digital marketing and sales application
- Market linkage and cold room management system



BIT MAKERSPACE

OUTCOMES

6 IP Applied



8 Startup Business



Plan

1 International Recognition



5 National Awards



3 International Competition Awards







Scientific trainings and engagements in innovation centers are both filling needs for different types of skills that support national goals for irrigation and water management.















