



FACULTY OF AGRICULTURAL AND FOOD SCIENCES
ENVIRONMENT AND SUSTAINABLE
DEVELOPMENT UNIT

Exploring Solutions, Defying Uncertainties

www.aub.edu.lb/fafs/esdu

The untapped ~~resource~~ treasure



FACTS AND FIGURES

NOW	THEN
Dean Emeritus	Dean Nuhad Dagher
Dean FAFS	Dr. Nahla Hwalla
Dean FHS	Dr. Iman Nuwayhid
Former-Associate Dean FAFS	Dr. Rami Zurayk
Former-Associate Dean FAFS	Dr. Shadi Hamadeh
Associate Dean	Dr. Salma Talhouk
Associate Seed Botanist (Department of Food & Agriculture, USA)	Dr. Riad Baalbaki
Director of the Financial Operations at the BDL	Dr. Youssef El Khalil

NATIONAL FAME

1995 - 2001



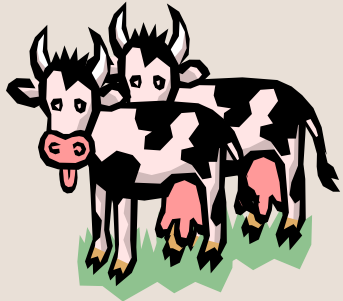
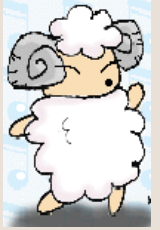
All over Lebanon

Community based projects:

- ❖ Innovative R&D solutions
- ❖ Sustainable Rural Livelihoods



Putting People in The Center



A Participatory Approach:

To Listen

I need a
translator

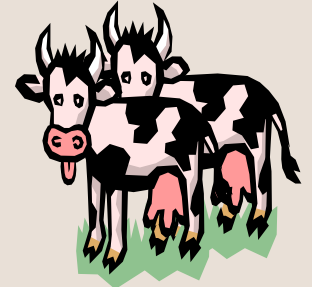




Putting People in The Center

Capacity Building

to Improve skills, Empower marginal groups and Give sustainability a **CHANCE**



SUSTAINABLE IMPROVEMENT OF MARGINAL LANDS IN LEBANON: ARSAL, A CASE STUDY

1. Pilot community based research
2. Linking research to development
3. International fame



YAMMOUNEH TECHNOLOGY TRANSFER AND EXTENSION PROJECT

Objective

Promoting agriculture as a viable livelihood option and improving agricultural sustainability through an Integrated Development Program (IDP).

Location

Yammouneh and Deir-el-Ahmar



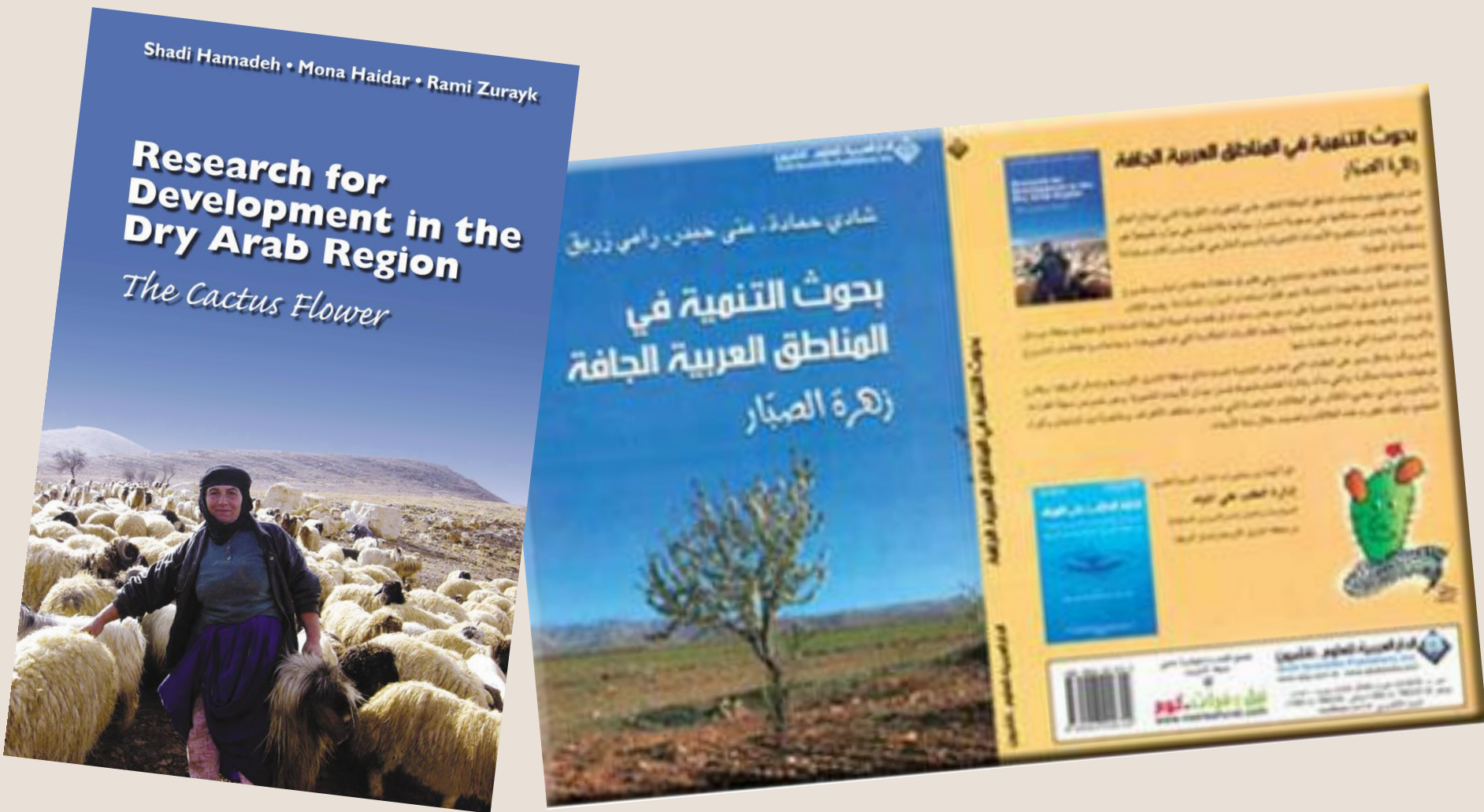
THE HEALTHY BASKET

Healthy Basket started in 2001 as a project by the American University of Beirut to improve Lebanese farmers' livelihood in rural areas, preserving the environment and protecting human health by adopting organic agriculture as a key strategy.

Fresh, certified organic fruits and vegetables sold by HB are produced by small farmers throughout Lebanon, closely supervised by two certification bodies: the Lebanese “LibanCert” and the Swiss “Bio inspecta”.



Book: Research and Development in the Dry Arab Region The Cactus Flower



REGIONAL FAME *2002 - present*

Urban agriculture: 7th center for the MENA region (RUAF);

www.ruaf.org

Communication for development for the Near-East region (FAO);

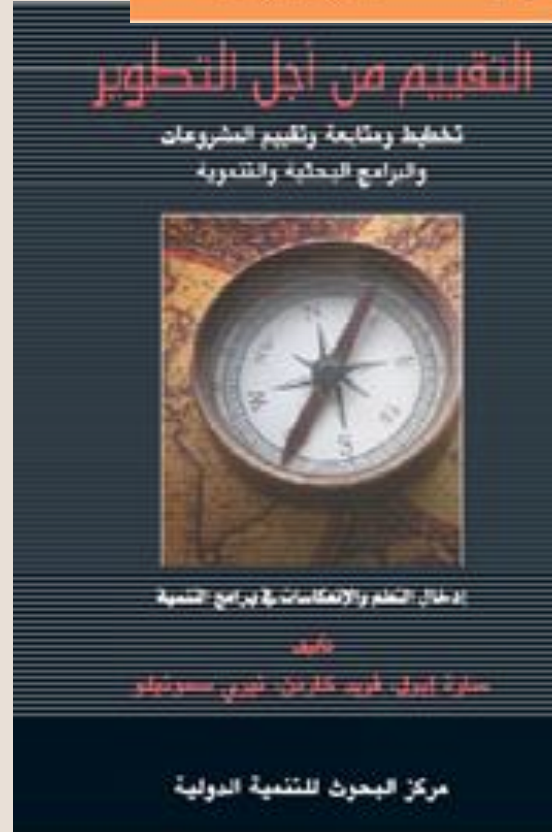
Outcome Mapping for monitoring and evaluating projects (an IDRC initiative: International Development Research Center in Canada); www.evalmena.org

KariaNet: ESDU has been selected as the regional host for KariaNet: Knowledge Access for Rural Inter-connected Areas Network (IDRC/IFAD) www.karianet.org



PUBLICATIONS

Urban Agriculture magazines FAO guidelines



Regional Capacity Building

Institute for Participatory Development (IPD)

	Topic	Funding	Participating Countries
1	Financial Appraisal of Development projects	IFAD	Lebanon
2	Training of Trainers on Urban Agriculture and Food Security	IDRC	Jordan, Lebanon, Tunisia
3	Coastal Midlands Agricultural Dev. Project, Training and Capacity Building Support Initiative	IFAD	Syria
4	Iraq Partnership for Revitalizing Agricultural Higher Education and Development (AHEAD)	USAID	Iraq
5	Regional Training and Information Sharing on Urban Agriculture and Food Security	IDRC	Algeria, Jordan, Lebanon, Palestine, Syria, Tunisia, Yemen
6	Cities Farming for the Future	RUAF	Jordan, Lebanon, Morocco, Syria, Tunisia, Yemen
7	Introducing and Exploring the Applicability of Outcome Mapping in the MENA region	IDRC	Egypt, Jordan, Lebanon, Morocco, Yemen
8	Multi-Stakeholder Action Planning and Policy Design	RUAF	Jordan, Lebanon, Tunisia, Yemen
9	Communication for Development for Practitioners	FAO	Egypt, Jordan, Lebanon, Palestine Syria, Yemen
10	Challenges on Urban Agriculture in the MENA region	IDRC	Jordan, Lebanon, Palestine Syria, Tunisia Yemen

	Topic	Funding	Participating Countries
11	First Outcome Mapping Users in the MENA region workshop	IDRC	Egypt, Jordan, Lebanon, Morocco, Yemen
12	Communication Practices for Effective Research and Extension Systems	FAO	Algeria, Egypt, Iran, Jordan, Lebanon, Morocco, Palestine, Tunisia, Yemen
13	Cities Farming for the Future: Lessons Learned	RUAF	Jordan, Lebanon, Tunisia, Yemen
14	From Seed to Table: Value chain analysis for Urban Agriculture produce	RUAF	Jordan, Yemen
15	Building capacities of MENA Evaluators	IDRC	Algeria, Egypt, Jordan, Lebanon, Morocco, Tunisia, Yemen, Sudan
16	Second Global "From Seed to Table" training	RUAF	China, Ghana, Lebanon, India, Netherlands, Senegal, Peru, Sri Lanka, Zimbabwe
17	Urban and Peri-Urban Field Schools	RUAF	Jordan, Yemen
18	Mainstreaming Evaluation Theory and Practice in the MENA region	IDRC	Egypt, Jordan, Lebanon, Tunisia, Syria, UAE
11	First Outcome Mapping Users in the MENA region workshop	IDRC	Egypt, Jordan, Lebanon, Morocco, Yemen
12	Communication Practices for Effective Research and Extension Systems	FAO	Algeria, Egypt, Iran, Jordan, Lebanon, Morocco, Palestine, Tunisia, Yemen



Jordan



Yemen

12 05 18



Lebanon



Morocco



Lebanon

12 4 9

ESDU's vision for the future:

Global Player with a Local Touch

Damn sheep, I
want to
become an
Astronaut



THREE MAIN INITIATIVES...

1.Regional Capacity Building

2.Academic Programs

3. Local Food Systems

1. Regional Capacity Building

- **Monitoring and Evaluation Theory and Practice in the MENA**

www.evalmena.org



- **Urban Agriculture and Food Security**

www.ruaf.org

- **Communication for Development**

- **Knowledge Management**

www.karianet.org



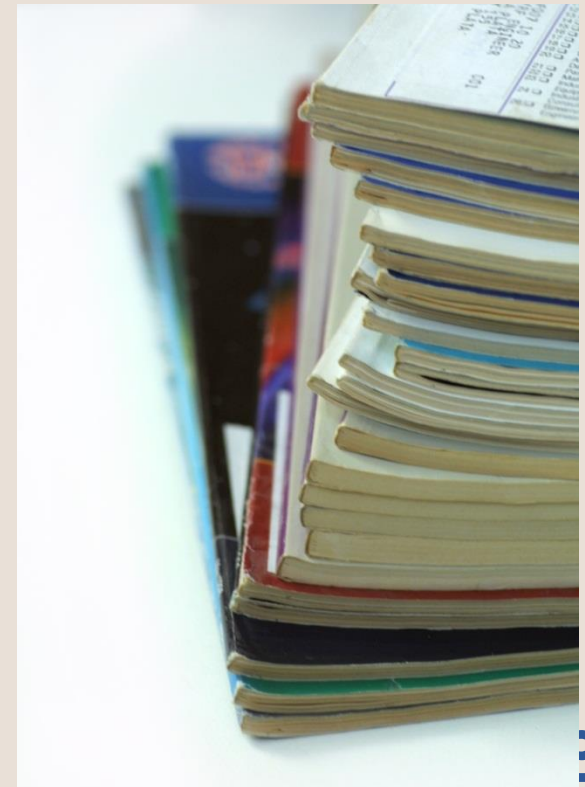
2. Academic Programs



The RCODE:

**Master of Sciences Program in
Rural Community Development**

Publications



3. Local Food Systems

- **Arab Basket**
- **EcoMENA**



ARAB BASKET

Establish an Arab regional network of community supported initiatives, the “Arab Basket” for the production, processing and marketing of traditional food products anchored in local food systems

Research

- Local food systems
- Value-chain analysis
- Urban agriculture and food security
- Organic agriculture

Development



- Farmers' market
- Community kitchens
- *The Food Heritage Foundation*
- *Food Trail*

SOUK 'AL SOUK

“The promotion of organic and local healthy products through a weekly farmers’ market”





Shouf Biosphere Reserve
The Largest Natural Cedar Reserve in Lebanon



Souk O'SHOUF

An Integrated Initiative to improve livelihoods of small-scale producers and Processors through Organic Agriculture and traditional Food in the Shouf Area

Consists of:

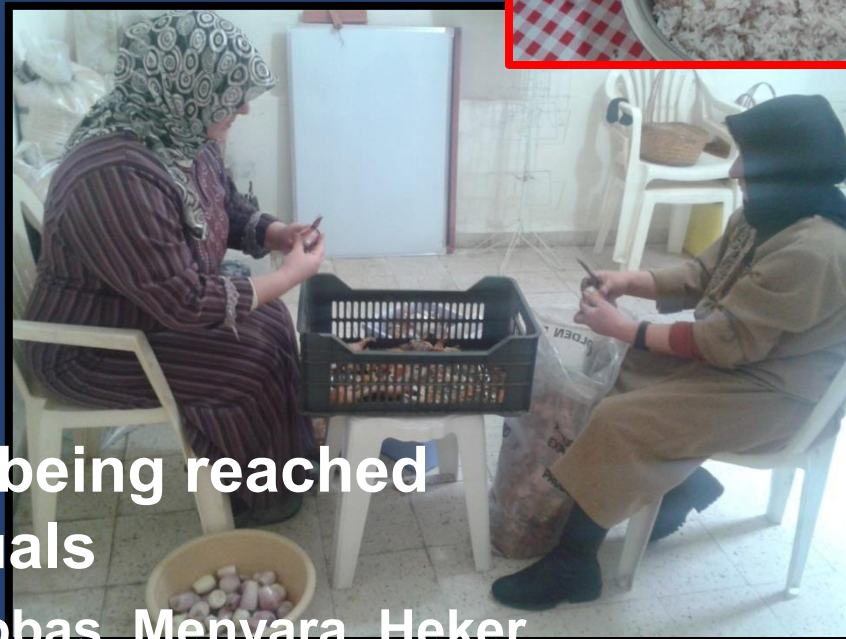
- Farmers' market at *Multaka el Nabreyn*
- Training Center on Organic Agriculture
- Joint Unit for Organic Agriculture to mobilize producers, build their capacities and promote their products



COMMUNITY KITCHENS IN EMERGENCY SETTINGS

The case of Menyara Akkar

Linking Emergency Food Assistance to the Development of Host Communities



240 refugee families are being reached

→ around 1,500 individuals

✓ Areas: Kousha, Halba, Talabbas, Menyara, Heker

Concept

Establishing a network of self-generative eco-communities based on indigenous knowledge and appropriate green technologies through a multi-faceted approach that integrates agriculture, resource conservation and social empowerment bridging the urban rural divide for a revitalized living environment

Roadmap

- Conceptual framework
- The model
- Case studies
- Assessment

Community Partners

- NGOs
- Municipalities
- Wakf (Religious endowment)
- Private Sector

Topic	International Partner
Resilience of agropastoral systems in MENA	CIRAD Agricultural Research for Development – Montpellier – France www.cirad.fr
Alternative food systems	University of Córdoba, Instituto de Sociología y Estudios Campesinos (ISEC) ; Departamento de Urbanística y Ordenación del Territorio, Universidad de Granada
Organic agriculture	Knowledge Center for Agriculture – Danish Agricultural Advisory Service DAAS - Denmark www.vfl.dk
Sustainable land use and eco-initiatives	Leibniz-Centre for Agricultural Landscape Research http://www.zalf.de/en/portal/Pages/default.aspx

ESDU ENGAGING FACULTY AND STUDENTS

- **Most of the FAFS faculty members involved in past projects**
- **Fifteen masters and four PhD's**
- **RCODE interdepartmental committee:**

Hamadeh Shadi (chairman), Chalak Ali, Jomaa Lamis, Tohme Tawk Salwa, Zurayk Rami

- **Ecomena research group:**

Abunnasr Yaser, Chalak Ali, Jaafar Hadi

- **Partnership with LDEM on farmers' market design**
- **Partnership with nutrition and food sciences on community kitchens**

Any faculty member is welcome to develop projects under the ESDU umbrella



ESDU LATEST EVENTS APRIL 2014

Regional Workshop in Amman

The Middle East and North Africa Evaluators Network (EvalMENA) third general assembly;

Project “Mainstreaming Evaluation Theory and Practice in the MENA Region”, funded by the International Development and Research Center (IDRC)

13 nationalities contributed, one minister, 6 parliamentarians ...



ESDU LATEST EVENTS MAY 2014

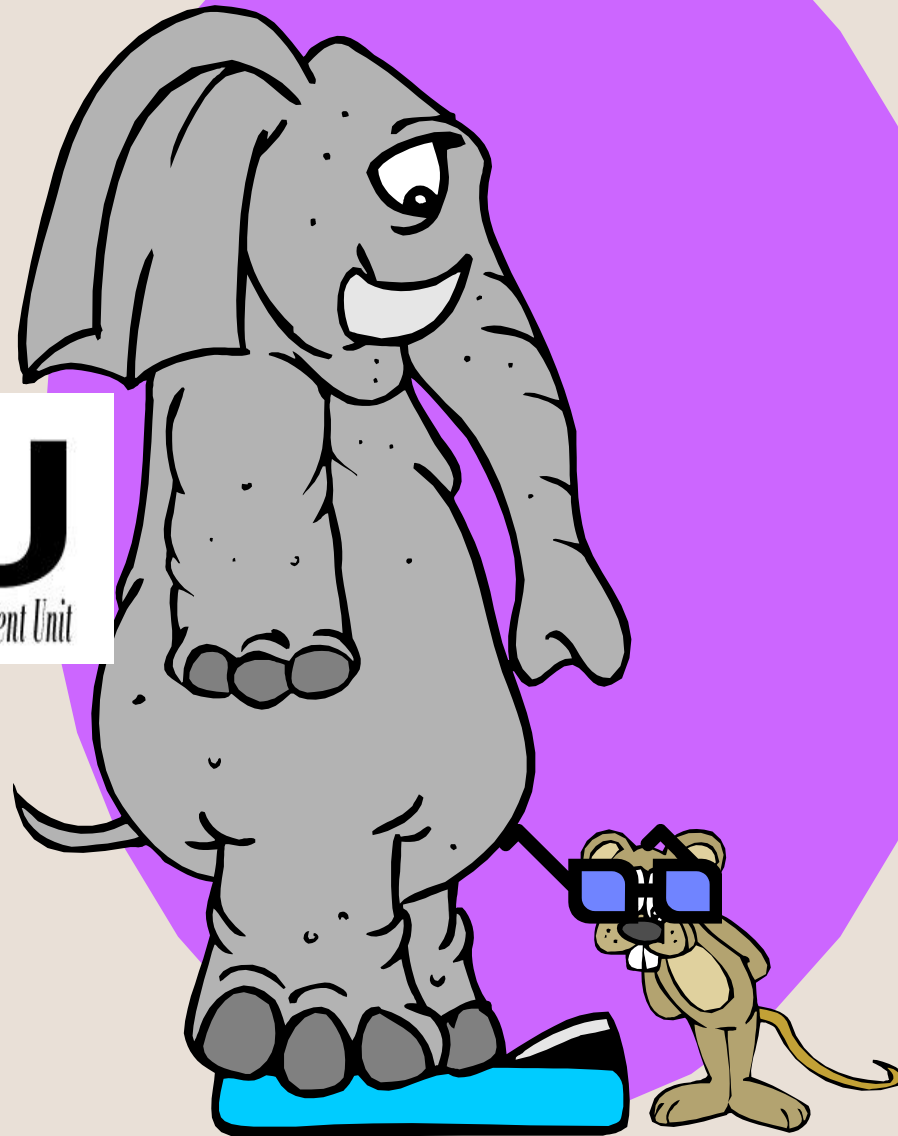


The "Souk O Shouf" farmers' market Design Project exhibition

Cooperation between Faculty of Agricultural and Food Sciences and
the Al Shouf Cedar Society- the Shouf Biosphere Reserve



VISIBILITY OR VISION PROBLEM?





Wa shukran

Thank you