



**“Erasmus + : Interuniversity Learning in Higher Education on Advanced land
Management – Egyptian Country/ILHAM-EC”**

Kick off meeting , March 7- 8,2016. Cairo , Egypt



**ZAGAZIG
UNIVERSITY**
ZAGAZIG, EGYPT
A state University
Founded in 1974

Zagazig City :



- The Capital of Alsharkia governorate, Egypt.
- 80 Km North East Cairo .
- The city was set up in 1832 in the north west part of “ Tel Basta” which was once the Capital of ancient Egypt.
- The governorate total area is 4190 km² with a population of 6 millions.
- The governorate has agricultural and industrial communities .
- It has also a tremendous wealth of monuments spread out in more than one hundred sites.



About ZU

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- Zagazig University (ZU) is a state university.
 - Founded in 1974.
 - to create and transfer knowledge that will shape citizens who contribute to their communities and lead their professions in a global sustainable society.



About Zu

Vision :

Zagazig University is looking forward to become an accredited and proven university through providing a distinctive level in education, scientific research and sustainable community development.



About Zu

Mission :

The mission of Zagazig University is to provide a distinctive education and academic and developmental leading research as well as a unique community services and a continuous development of its human resources in the context of innovation, quality, independence and moral values



About ZU

ZU enrolled about :

- 110,000 undergraduate students
- 9500 post graduate students
- 7,000 faculty members
- 2500 teaching assistances
- 9,000 administrative staff



About ZU :

- Academic undergraduate and postgraduate programs are offered through 18 faculties and institutes.
- It covers most of the educational academic disciplines including life sciences ,medicine and pharmacy ,engineering and computer science social sciences and humanities .



About ZU

Academic Degrees offered by the University :

- Bachelor Degree
- Postgraduate Diploma
- Master's Degree
- PhD Degree



About ZU :

- The university has centers of excellence which follow and maintain the international scientific progress .
- Self-Sponsored research and community service centers.



About

Communication and Information Technology Center (CITC) :

- ZU Network .
- Digital Library [[www.ez proxy.zu.edu.eg/dlibrary](http://www.ezproxy.zu.edu.eg/dlibrary)] : linked to The Egyptian Knowledge Bank [www.ekb.eg] .
- E- Learning Unit .
- Training and Continuous Education Unit .



About ZU

- 18 EU – Funded Projects at ZU

The Academic System

- The two-semester system (Fall and Spring) is applied in all the university faculties except faculty of medicine.
- The Arabic and English are the instruction languages .

The University Hostels:

- Zagazig University has 9 comfortable housing units (3 for males and 6 for females).
- The dorms are provided with restaurants, student activity facilities and a health care unit.
- The housing units provide accommodation for 6000 students.



The University Hospitals



Self-Sponsored research and service centers.

Agriculture Research and Experiments Center.



**Veterinary Hospital .
Farm of Veterinary Medicine.
Fish Research Unit.**



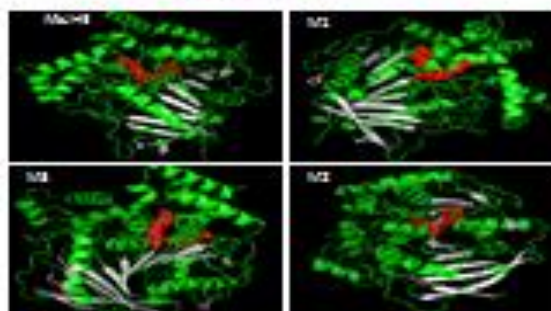
Self-Sponsored research and service centers



**The University
Stadium**



**The
Conference
Hall**



Faculty area

Total area : 43330 m²

Buildings area: 19865 m²

Landscape area: 8400 m²

Farms : 861 feddans



The Faculty History

- Started in 1958 as a Higher Agricultural Institute.
- In 1969, it became a Faculty of Agriculture as a branch of Ain Shams University .
- In 1974, Zagazig University was established and the Faculty of Agriculture was the primary core of it.

The faculty enrolled about :

- 1500 undergraduate students,
- 300 post graduate students,
- 250 faculty members ,
- 175 teaching assistances ,
- 300 staff members.

Academic undergraduate and postgraduate programs are offered through 14 departments (18 Bachelor programs, 12 Diploma, 23 Master programs and 22 Doctoral programs) .

The faculty has experiment and research center which includes several Self-Sponsored research and community services units.

The Faculty Departments

- 1- Agricultural Botany and
- 2- Agricultural Chemistry
- 3- Agricultural Economics
- 4- Agricultural Engineering
- 5- Agricultural Microbiology
- 6- Agronomy
- 7- Animal Production
- 8- Food Sciences
- 9- Genetics
- 10- Horticulture
- 11- Plant Pathology
- 12- Plant Protection
- 13- Poultry
- 14- Soil Sciences

Academic Degrees Awarded

- 1-Bachelor Degree
- 2- Postgraduate Diploma
- 3- Master's Degree
- 4- Ph.D Degree



Educational and Research Laboratories

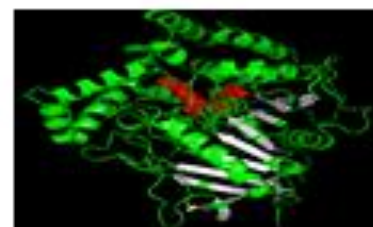
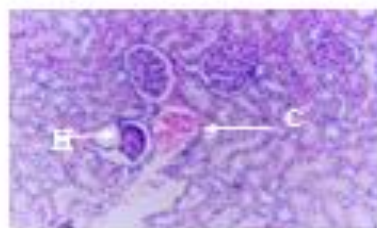
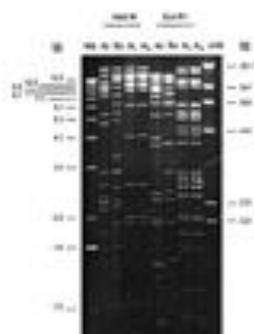
Core laboratories serve the students and researchers in different scientific areas such as:

- Food technology and safety .
- Plant and animal nutrition .
- Agronomy.
- Horticulture .
- Plant pathology.
- Bio- and chemical agents for pest control .
- Environmental toxicology and risk assessment.
- Plant breeding .
- Biotechnology and genetic engineering .

- Molecular Biology.
- Entomology
- Animal and poultry production .
- Soil maintenance and management.
- Bio fertilizers.
- Water resources and management.
- Geographic Information system and Remote sensing.
- Agricultural Engineering.
- Renewable energy.
- Agribusiness .
- Agricultural Extension Services .
- Rural communities Development.



Pesticide Biotechnology Lab.



Self-Sponsored research and services center

Faculty of Agriculture provides agricultural consultations and services among Sharkia community. The faculty manages and operates agricultural experimental and research center which includes :

- farms.
- Ornamental plant nursery.
- Central Laboratory.
- Dairy products unit
- Refrigerating and freezing unit.
- Rodents and domestic insects control unit.
- Poultry farm.
- Rabbits farm.
- Detergents unit
- Animal production unit.

Field crops and Horticulture Farms:

The faculty owns and manages a 861 feddan-farm for research and crops production. The farms provides training and practical programs for under- and post –graduate students.





Rabbits and Poultry Farms



Dairy Products Unit



International Relations and activities

The faculty has a strong international relations and collaboration with universities and organizations all over the world through :

- Faculty members exchange visits and sabbatical leaves .
- Training and exchange visit programs for students .
- Scholarships and missions for M.Sc. and Ph.D. programs .
- Joint research and educational projects .
- Organizing international conferences , workshops and seminars.



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- **Erasmus+ Programme**

Capacity-Building projects in the field of Higher Education (E+CBHE)

- **Grant Agreement Number:** -215-3284/001-001
- **Project reference number:** – 561827-EPP-1-2015-1-IT-EPPKA2-CBHE-JP
- **Project Name:** Interuniversity Learning in Higher Education on Advanced land Management – Egyptian Country/ILHAM - EC .
- **ZU contact:** Prof Bassem Ashour



The role of ZU

I- Staff

- Operational capacity skills and expertise of the key staff cover all sustainable land management approaches :

Multidisciplinary knowledge,

Integrated analysis

Complex problem solving skills



The Role of ZU:

II- will be actively involved in :

- the needs assessment and curriculum development (WP1, WP2)
- training activities (WP4, WP5).
- sharing responsibilities in all the transversal WP :

quality (WP6)

dissemination (WP7)

management (WP8)

Project activities and Methodology



The role of ZU:

Phase1. Needs assessment

WP1: Needs assessment

Task1.1 Curriculum Evaluation and Need

- evaluation analysis of ZU curricula related to SLM effectiveness in achieving aims, goals and objectives (curricula development-infra structure improvement-staff training-lacking experience or expertise).
- survey the teaching methods and student-teacher interaction.
- specification of the university needs .
- definition of the benchmarks to use in the quality and monitoring plan .



The Role of ZU :

Phase2. Development of a new learning environment.

WP3: Implementation of learning environment

Task 3.3 Educational game

- Introducing the new educational learning activities (educational games).
- Practicing the educational games during course teaching.
- Evaluating the methodology of educational games.



The Role of ZU :

Phase 3 Training of teachers

WP4: Training of teachers

- Selecting the trainees according to the needs and their competences .
- 8 teachers will be involved in a 3 days participative workshop (Task 4.1 Modernization of teaching methods) with the aim of enhancing the quality of teaching following the EU education policy.
- Follow the modules prepared by EU partners and implemented in the e-learning platform.
- Teachers will also have an active role in testing the new didactic material.



The Role of ZU :

Phase 3 Training of teachers

WP4: Training of teachers

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- Qualifying the staff to be interactive with the students with active learning skills.
 - Holding awareness workshops on the active learning, best practices, the strategies and the methodologies used for improving and modernising teaching and learning processes.
 - Organizing and participating in web workshops (Task 4.3 Webinar) ,run by the partners, using specific software for webinars for analyzing other technical topics not included in the prepared modules



The Role of ZU :

Phase 4 Master implementation

WP5: Implementation of the inter-university high quality Master on SLM

- The Trained teachers and EU professors (through webinars) will involved in teaching.
- Implementing field trips .
- Preparing the students for their internship abroad (3 months) in a EU HEI partners programme country (Special Mobility Strand).



The role of ZU :

Phase 5. Networking

WP6: Quality plan

- Implementation of a suitable quality control system for receiving critical feedback and allowing the improvement of the results .
- The quality assessment tools will be defined during the first SC meeting .
- However the instruments used for the quality monitoring will be : questionnaires, interviews, monitoring templates, online evaluation tests and tools to encourage self-evaluation and reflective thoughts.

The role of ZU :
Phase 5. Networking
WP6: Quality plan

Task 6.1 Internal Quality

- Interactive participation in the project meetings.
- Active communication through emails
- Conducting self-assessments.
- Sharing and participation in the Quality Assurance Plan (QAP).
- Sharing the internal quality monitoring activities.



The role of ZU :
Phase 5. Networking
WP6: Quality plan

Task 6.2 External Quality

- Coordinating and facilitating the missions and tasks of the external quality control experts.
- Providing the external experts with all available project documents and information collected in the internal quality monitoring mechanism.
- Participation in the evaluation of the external experts reports during the Steering Committee and Coordination meetings.



The role of ZU :

Task 7.1 Dissemination strategies



The role of ZU :

Phase 5. Networking

WP7: Dissemination and collaborative network

Task 7.2 Exploitation

- Using the e-learning platform for:
 1. Encourage users in the registration to other efficient existing networks .
 2. Increasing the research internationalisation.
 3. Promoting the creation of relationships between a major number of people involved in desertification and land management issues.



The Role of ZU:

WP8: Project management

Task 8.1 Project start-up

- Participation in the project kick-off meeting.
- Participation in defining the Scientific Group (SG) and the local Didactic Group (DG).



The Role of ZU:

WP8: Project management

Task 8.3 Administrative and financial Management

- Participation in the administration and evaluation and monitoring, financial reporting, purchases and payments.
- Assisting the external financial audit when asked.

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WP8: Project management

- Managing and facilitating the logistic arrangements and the implementation of all project activities (preparation of travels, organization of meetings, workshop, accommodation, etc.).
- Assisting the local Didactic Group for the didactic and Mobility activities

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- Assisting the local Didactic Group for the didactic and Mobility activities



The Role of ZU : Sustainability

- Valorization of project outcomes is the first step for promoting sustainability.
- The products should not be merely archived but should be appropriately used also beyond project life-time.



The Role of ZU : Sustainability

- Project outcomes and new knowledge gained either by students or teachers should be transferred into mainstream Egyptian HEIs programs making them visible at local and international level.
- The improved curricula are demonstrative actions that will encourage HEIs to co-invest education and training activities and to adopt them for perpetuating the Master organization over future years.



The Role of ZU : Sustainability

- well prepared teachers will ensure a better preparation of students who, in turn, will transfer their knowledge to a wide range of stakeholders, including other students as potential future teachers.
- All project outputs will be kept on local universities server and will be available after the project life time including the created online platform. This platform is open source and is continuously enriched by all partners during and after project duration attracting higher institutional level participation and endorsement, ensuring thus institutional continuance.



The Role of ZU : Sustainability

The virtual networks created during the project life-time will enhance the sustainability by means of:

- a growing number of users creating new opportunities to attract other funding resources for students.
- Training of people is a suitable sustainable development strategy at local, national and European level.

of 2

SUSTAINABLE DEVELOPMENT STRATEGY

Knowledge, Innovation and Scientific Research

The tool for research, innovation and knowledge-based society needed to support the growth and ensure further welfare.

This is achieved through a national system, a high quality institutional and legal infrastructure for scientific research, technology and innovation, and skilled human factor. The knowledge-based society is capable of identifying measurable and measurable national priorities within a strategic time-based plan.

MAIN GOALS

- Egypt among the top 40 countries in the field of innovation
- Improving the quality of scientific research institutions
- Enhancing innovative talent and capabilities
- Egypt among the top 20 countries in the number of patents
- Intellectual Property Rights

Health

More importantly, by 2030, all Egyptians enjoy a healthy and safe life through the application of an integrated, accessible, high quality, and non-discriminatory health system that is capable of improving the health indicators through a comprehensive health coverage for all citizens.

The health system ensures financial protection for the vulnerable and achieves the satisfaction of the citizens and workers in the health area with the ultimate goal of achieving prosperity, happiness, social and economic development.

MAIN GOALS

- Reduce neonatal, infant and under 5 mortality rate by 50 percent
- Reduce maternal mortality by 60 percent
- Achieve equitable access to 80 percent of essential health interventions
- Government spending on health to reach 5 percent of the total GDP
- Ensure 100 percent coverage for each vaccination and universal national immunization schedule

Culture

To achieve the different goals and objectives of SDS, efficient cultural, domestic and international political and security systems are emphasized.

SDS builds a system of positive cultural values that respects diversity and differences, enables Egyptians to have access to knowledge, and discover new horizons of interaction with the contemporary world, while maintaining an understanding of the history and heritage of the Egyptian culture, and enhancing their tradition of choice.

Positive aspects of culture should be a powerful force of development, an added value to the national economy, and the basis of Egypt's soft power regionally and globally.

MAIN GOALS

- 60 new excellence centers are developed
- 1 percent of the government budget is allocated annually to support talented people, and gradually increase it up to 2 percent
- Cultural exports are raised by 20 percent annually
- Protected films are increased by 50 percent annually

Transparency and Efficiency of Governmental Institutions


By 2030, Egypt has an efficient and flexible administrative system, highly capable of maximizing the use of its resources, providing high quality services, adopting technological innovations and applying a clear and transparent governmental regulatory system for the fair and efficient contributing positively to economic growth.

MAIN GOALS

- 10 percent annual increase in the services provided by non-government organizations
- Egypt is one of the top 30 countries in institutional efficiency
- Egypt is one of the top 40 countries in transparency
- Egypt is one of the top 30 countries in the corruption index

SUSTAINABLE DEVELOPMENT STRATEGY (SDS)

Egypt Vision 2030 (Goals and KPIs)



EGYPT ECONOMIC DEVELOPMENT CONFERENCE
Annual Summit of Leaders & Experts
11-13 MARCH 2023 | SHARM EL-SHEIKH
FOR MORE INFORMATION, PLEASE VISIT <http://www.egypt.gov.eg/SDS>
<http://www.egypt.gov.eg/SDS>

SUSTAINABLE DEVELOPMENT STRATEGY

Main Goals of SDS

Top 30

Selected SDS Pillars

Economy

According to Egypt's vision, the goal is committed to continue supporting a market, competitive, diversified, knowledge-based, and private sector-led economy, characterized by a stable macroeconomic environment, sustainable growth, maximizing value added, and generating adequate and productive job opportunities. By 2030, the Egyptian economy will be an active player in the world economy, capable of adapting to international developments and well positioned to join the ranks of the world's middle-income countries.

MAIN GOALS

- Achieve economic growth rate of 7 percent on average
- Basic investment rate to 30 percent on average
- Increase the contribution of services to GDP to 70 percent
- Raise the contribution of exports to 25 percent of the growth rate
- Reduce unemployment rate to 5 percent

Social Justice

SDS emphasizes the commitments of creating a fair, integrated society that is characterized by equality in rights and economic, social and political opportunities. Social justice is guaranteed through a high degree of social homogeneity, emphasizing citizens' rights and participation based on efficiency, performance and rule of law. Social justice provides practical mechanisms for expected and unexpected risks, and ensures that vulnerable, marginalized economic features and offers protection to the most vulnerable.

Energy

The Egyptian government aims at maximizing the use of domestic energy resources (traditional and renewable), and developing the capacity of its energy sector to effectively contribute to competitiveness, and to adjust effectively to domestic and international developments in the field of energy and innovation, and to be a pioneer in the field of renewable energy.

MAIN GOALS

- Egypt among the best 20 countries to promote gender equality
- 50 percent increase of females with permanent formal job
- Egypt among the best 50 countries in labor market efficiency
- 50 percent reduction of unemployment, female employment, health and education gaps between generations

Urban Development

To deal with urban development issues, an integrated dynamic urban plan that incorporates historical and modern architecture and maximizes the utility and balance between energy, water and land is developed.

The new urban development plan is capable of absorbing the urban space, geographically and environmentally, and ensuring that it maximizes the use of available resources, as well as reducing the level of urban sprawl, and improving the quality of life.

MAIN GOALS

- Increase the urbanized area in Egypt by 5 percent of its total area
- Establish 7.5 million housing units
- Solve the problems of slum areas

Environment

SDS also promotes sustainable improvement of the quality of life for the present generations to live harmoniously on sustainable production, and reduce the impact of climate change in order to provide a clean, safe environment for the future generations. An integrated environmental approach that strikes the balance between economic growth and environmental factors is adopted. This will prevent environmental degradation and maintain its balance, move towards more sustainable consumption and production patterns, and avoid biodiversity. SDS also aims at reducing environmental international obligations, waste management based on governance concepts, and the promotion of recycling with a high environmental cognitive technical content.

MAIN GOALS

- Increase water productivity by 5 percent per year
- Reduce the percentage of days where the air quality index is less than 100 percent compared to similar countries
- Double the rate of energy efficiency by 2030
- Reduce the intensity of generating municipal waste to 0.5 kilograms per capita per day

Education

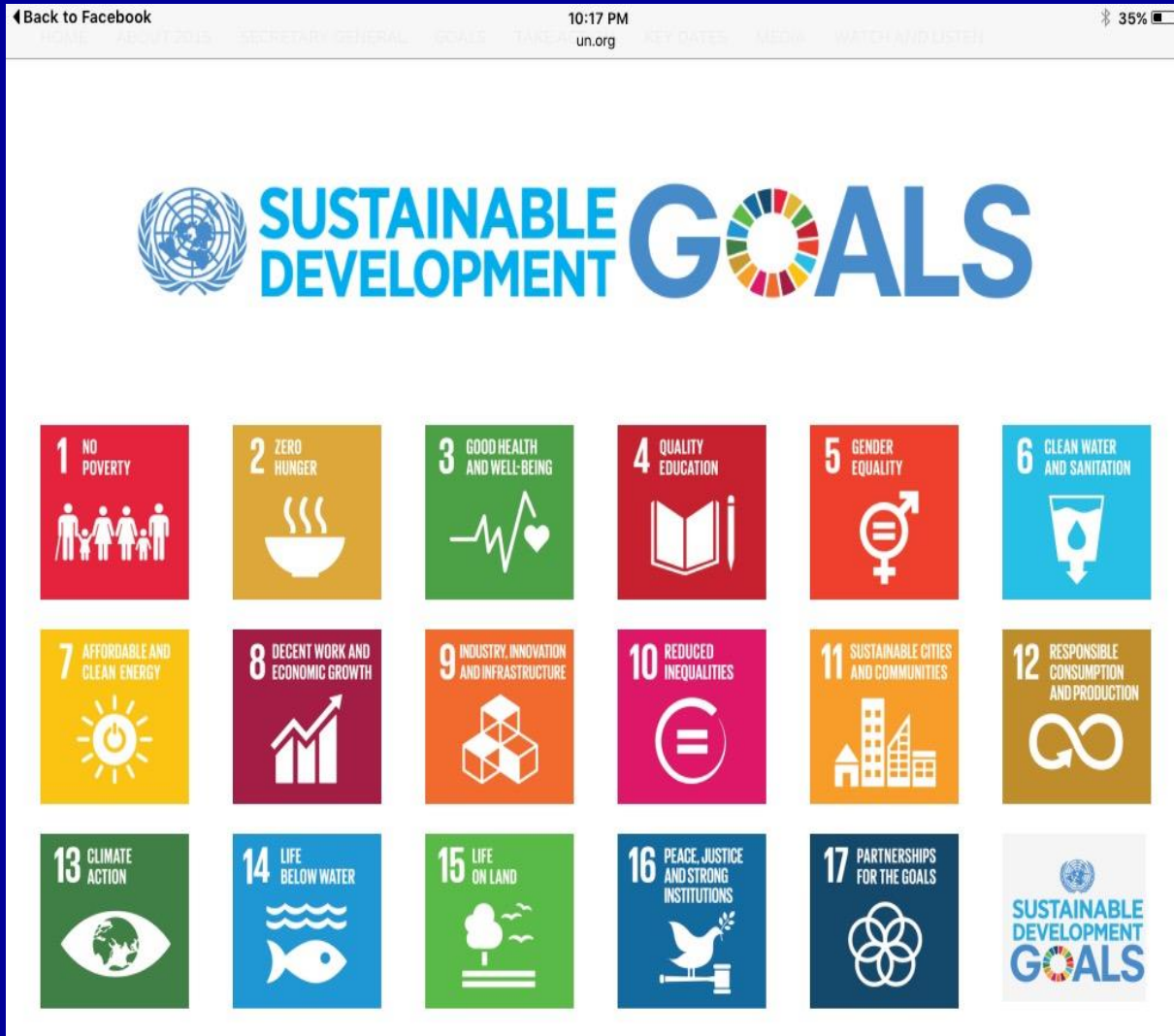
By 2030, a high quality education, accessible to all with no discrimination within an effective institutional system, based on technologically enabled learners is provided. This education system contributes to building an integrated personality that is encouraged to learn the potential, producing an individual that is confident, well-informed, creative, responsible, pluralistic, and able to interact competently with regional and international realities.

MAIN GOALS

- Egypt is one of the top 30 countries in the quality of basic education index
- Primary school net in the new decade (7 percent)
- Gender enrollment ratio for children at the age of 4-6 reaches 80 percent
- Enrollment ratio for children at the age of 7-12 reaches 80 percent
- 20 higher education institutions achieving international accreditation
- Egypt to become one of the top 10 countries in "Think in Integrated Mathematics and Science Study" TMIS assessment

Egypt SDS 2030 Relevant Pillars

- High quality education able to interact competitively with regional and international entities .
- Knowledge, Innovation and Scientific Research .
- Environment : raising awareness on environmental protection .
- promote sustained improvement of the quality of life



UN SD Relevant Goals

- Zero Hunger
- Quality Education
- Climate Action
- Life on Land
- Life Below Water



THANK YOU

