REVIEW AND EVALUATION OF THE RESEARCH PROJECT

"VISUAL IMPACT ANALYSIS OF OFFSHORE WIND FARMS IN CANTABRIA"

Student Phd: PIEDAD E. LIZCANO

Directors: Dr. CÉSAR OTERO

Dra. CRISTINA MANCHADO

THIRD EDITION EIDEIC 2017

UC UNIVERSIDAD DE CANTABRIA

GrupoEgiCAD I+D

Dpto. Ing. Geográfica y T. Exp. Gráfica

INDEX

1. OBJETIVE
2. REVIEW AND VALUATION
   "Assessment Guide"
3. CONCLUSION

UC UNIVERSIDAD DE CANTABRIA
GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

1. OBJETIVE

FOR WHAT?

- ASSESMENT GUIE
- BÁSIC COMPETENCY

- RESEARCH PLAN
- COURSE DOCTORATE

HOW?

WHEN?

UC UNIVERSIDAD DE CANTABRIA
GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

SCIENCE AND TECHNOLOGY	• Bibliographic review Paper, Bibliography, normative, etc.
TECHNOLOGY	• Software MOYSES V4.0, GIS.
FORMATION ACTIVITIES	• Campus Virtual https://campusvirtual.unican.es/Alumnos/OpcionesExpedienteFrw.aspx

GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

Campus Virtual

1

COURSES AND WORKSHOPS

TITLE

- ✓ COMPUTATIONAL MODELING IN ENGINEERING.
- ✓ ADVANCED STATISTICS COURSE WITH R.
- ✓ USE AND ANALYSIS OF THE GIS SPACE COMPONENT.
- ✓ BASIC COURSE ON PRESENTATION TECHNIQUES OF SCIENTIFIC WORK.
- ✓ ADVANCED COURSE ON THE PROFESSIONAL FUTURE OF THE DOCTOR.
- ✓ COMPUTER GRAPHICS APPLIED TO MODELING THE VISUAL IMPACT. SUBJECT M189.

GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

Campus Virtual

2

COURSES AND WORKSHOP

TITLE

- ✓ WORKING DAY EIDEIC I. (MAY OF 2015).
- ✓ WORKING DAY EIDEIC II. (MAY OF 2016).

GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

Campus Virtual

POSTERS, CONFERENCES AND CONGRESS COMMUNICATIONS

3 TITLE

- ✓ VIRTUAL REALITY TO ASSESS VISUAL IMPACT IN WIND ENERGY PROJECTS.
- ✓ VISUAL IMPACT ANALYSIS OF OFFSHORE WIND FARMS IN CANTABRIA.
- ✓ ANALYSIS OF VISIBILITY AND VISUAL IMPACT CRITERION. METHODOLOGY FOR USE INFRASTRUCTURE PROJECTS.
- ✓ EVALUATION OF THE VISUAL IMPACT OF WIND FARMS. DEVELOPMENT METHODOLOGY AND SPECIFIC SOFWARE OF VISUAL ANALYSIS THAT ALLOWS TO EVALUATE IN PHASE OF PROJECT.

GrupoEgiCAD I+D

RESULTS ANNUALS

PLANNED RESULTS OBTAINED

- Review of: Papers, bibliographry, guidelines, etc.
- Analysis of results: Review and organization of the results in Moyses V4.0 and GIS.
- Write Thesis: (January).

PLANNED RESULTS NOT OBTAINED

- Finalize the review of the results.

UNPLANNED RESULTS OBTAINED AND REPORTED

- Presentation of the paper: "***Virtual reality to assess visual impact in wind Energy Projects***". JCM in Catania/ 2016.

OBJECTIVE INDICATORS OF RESULTS

- The Paper submitted in JCM 2016 was third place winner, and published in IJIDeM (Springer/2017).

UC UNIVERSIDAD DE CANTABRIA
GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

ANALYSIS SWOT

- ✓ Sofware tools.
- ✓ Research Group Experience.
- ✓ Formation activities.

- ✓ Lack of training in English.
- ✓ Lack of training in GIS.

- ✓ Dissemination of the research topic in other educational centers.

- ✓ Lack of the financing.

UC UNIVERSIDAD DE CANTABRIA
GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

WORKPLAN 2017-2018

No.	ACTIVITY	YEAR 2017										YEAR 2018			
		MARCH	APRIL	MAY	JUN	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MACH	APRIL
1	REVIEW OF THE RESULTS OBTAINED IN THE APPLICATION MOYSESV4.0														
2	WRITING AND REVIEW OF THESIS														
3	PRESENTATION THIRD EIDEIC 2017 MEETING														
4	ELABORATION OF A PAPER AND PRESENTATION FOR A JOURNAL OR CONGRESS	7th International Congress Energy and Environment Engineering and Management — CANARY ISLANDS, SPAIN 17th - 19th July 2017													
5	EVALUATION CRITERIA FOR AUTORIZATION AND DEPOSIT OR THE THESIS														
6	APPLICATION FOR THESIS DEPOSIT IN THE ACADEMIC MANAGEMENT OFFICE												15/02/2018		
7	THESIS DEPOSIT												28/02/2018 --- 28/03/2018		
8	PREPARATION OF THESIS READING												1/02/2018 Until day of reading		
9	THESIS READING														Date without confirmation

UC UNIVERSIDAD DE CANTABRIA
GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

MOBILITY

- Stay at UPB University in Colombia.

FINANCING

- Presentation of proposals in the state reseach plan in the years 2014, 2015, 2016.

CONCLUSION

1

The personal revision of the guide, allowed me to carry out a critical and detailed analysis of the state of the project and to verify the competences that I had to strengthen.

UC UNIVERSIDAD DE CANTABRIA
GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica

THANKS FOR YOUR ATTENTION.

http://www.egicad.unican.es/

UC UNIVERSIDAD DE CANTABRIA
GrupoEgiCAD I+D
Dpto. Ing. Geográfica y T. Exp. Gráfica