

SCOPE OF WORK

Specialist's Name: Dawn Wright

Country of grant activity: Ireland

Field of grant activity: Information Technology (secondary area is Env. Sci.)

Dates of grant from 8 October 2004 to 23 October 2004

Program I.D. # from Program Overview document__Project ID #871_____

Date: 31 October 2004

Detail all grant activities to be conducted giving a timeframe for the scheduled activities:

Explain how program will be completed within the duration of the grant period:

Below is the complete schedule of activities that were completed as agreed upon by the grantee and her host institution, the Coastal Marine Resources Centre of University College Cork:

Dawn Wright's Visit

Fulbright Senior Specialist Program October 2004

Sat 9th, 11:15am: Dawn Arrives at Cork Airport. Staying with Liz in Carrigaline.

Schedule:

Lv PDX United 928, 8 Oct. 11:20 a.m. (1 stop at Chicago, O'Hare)
Ar Lon/Heathrow, 8:15 a.m., 09 October

Saturday 09 October 2004

Lv Lon/Heathrow Aer Lingus 711, 9:55 a.m.
Ar Cork Intl, **11:15 a.m.**

Sun. 10th:

- Explore Kinsale
- *Overnight: Carrigaline*

Mon. 11th:

- **CMRC introduction** -- casual
- Discussion of visit agenda
- Lunch
- Prep time for GIS Ireland presentation, Marine Data Model Seminar
- *Overnight: Carrigaline*

Tue. 12th:

- To Dublin, morning (4 hours)
- Afternoon, prep time, Dublin sightseeing
- *Overnight: Dublin*
 - o *Kilronan Guesthouse, dublinn.com*
 - o *70 Adelaide Road*
 - o *01-475-5266*

Wed. 13th:

- **GIS Ireland Conference**, Croke Park Stadium, Hogan Mezzanine
 - o www.irlogi.ie/irlogievent.asp?EVENTID=10
- **9:45-10:15 - Dawn's Plenary address**
 - o "The New 'Explornography' in the Age of Digital Earth, Digital Government, and Cyberinfrastructures"

- **2:50-3:10 – Liz’s presentation (Breakout B)**
 - o “The Marine Irish Digital Atlas”
 - **5:00** – Social hour, discussions at Murphy’s Pub
 - **7:30 - Speakers dinner**, Cave Wine Bar, 28 S Anne St., just off Grafton
 - o **Ed Wheeler**, Executive Director, IRLOGI; ed.wheeler@irlogi.ie
 - o **Claire Gilligan**, President, IRLOGI, claire.gilligan@irlogi.ie
 - o **Bruce McCormack**, Vice President, IRLOGI, bruce.mccormack@irlogi.ie
- Thu. 14th:
- **Overnight: Dublin**
 - **10:00, Visit with Geological Survey Ireland** (Archie Donovan and others)
 - Archie Donovan, Chief Superintendent for Seabed Survey (Data Manager), archie.donovan@gsi.ie
 - Xavier Monteys, Project Geologist, Seabed Classification, xavier.monteys@gsi.ie
 - Gerry Stanley, Project Geologist and Sean Cullen, Hydrographer
 - o Overview of Irish National Seabed Survey (INSS) and other GIS and web efforts
 - o Informal discussion of Marine Data Model, seabed mapping efforts in US, etc.
 - To Galway, afternoon (3.5 hours)
 - **Overnight: Galway**
 - o *Grattan Lodge B&B, www.galway.net/pages/grattan-lodge*
 - o *12 Grattan Lodge, Salthill*
- Fri. 15th:
- Rental car, Explore Galway, prep time
 - **1:00 - 2:00** – Lunch with Marine Institute (MI) personnel (Martina Hennessey and colleagues) and ESRI-Ireland (Eamonn Doyle)
 - **2:00 – 5:00, Dawn’s Marine Data Model seminar**, Galway (MI)
 - o General principles of data modelling - 20 minutes
 - o Conceptual overview of MDM - 30 minutes
 - o Questions/Discussion - 10 minutes
 - o MDM Tutorial - 30 minutes
 - o Marine Fisheries Case Study - 20 minutes
 - o Questions/Discussion - 10 minutes
 - o Summary of Additional Case Studies, Progress of Project/Forthcoming
 - o Reference Book, Downloading Resources - 30 minutes
 - o Final Questions/Discussion (including Irish Implementation) - 30 minutes
 - **6:30** - Meet with National University of Ireland-Galway doctoral students Margaret Wilson and Jeannine, McSwiggans Pub
 - **Overnight: Galway**
- Sat. 16th:
- Galway and surroundings
 - **Overnight: Doolin, County Clare**
 - o *Craggy Island B&B, homepage.tinet.ie/~craggyisland*
 - o *Ardeamush, Doolin, County Clare*

Sun. 17th:

- Galway, County Clare (The Burren)
- To Cork, afternoon/evening
- *Overnight: Carrigaline*

Mon. 18th:

- **10:00 – 2:30 CMRC project overviews**
- **Brief individual project presentations**
 - o Val Cummins, CMRC Director, v.cummins@ucc.ie; Director's overview, coastal management, biology
 - o Éamonn Ó Tuama, Senior Scientist, DISMAR, e.otuama@ucc.ie: DISMAR
 - o Jeremy and Max: Seabed mapping and coral mounds
 - o Gerry Sutton, Hydrography and GIS Research, specializing in aggregates and scallops, gerry.sutton@ucc.ie and Declan Dunne, IT Researcher, Mapture, HyperGIS, MIDA, d.dunne@ucc.ie: 3D Visualization, hyperGIS
 - o Vijay" Vijaykumar, visiting professor from National Institute for Space Research, Brazil: HIPOCAS ocean modeling
 - o Liz O'Dea GIS Specialist and Ned Dwyer, Remote Sensing Specialist, MIDA, n.dwyer@ucc.ie: MIDA, Mapture
- **3:00-4:30 - Dawn's project overviews of OSU research**, Open to UCC.
- *Overnight: Carrigaline*

Tue. 19th:

- **CMRC discussions**
- **Morning – Meet with Ned, Liz, Declan, Eamonn: web GIS**
 - o 9:30 – Meet with Gerry, seabed mapping
 - o 10:15 –11:00 - Dawn presents Marine Data Model conceptual overview for CMRC
 - o 11:00 – 12:30 – MIDA overview and discussion: general
 - o Web GIS: technical discussion
 - o Overlap with OCA, potential lessons
- **Afternoon** – Meet with Val, Cathal, Didac: coastal zone mgmt
 - o Val Cummins, Cathal O'Mahony, Environmental Scientist, c.omahony@ucc.ie, Irish coastal zone management and Coastal Communities Network (CoCoNet) initiative
 - o Didac Perales I Giménez, GIS student researcher, d.perales@ucc.ie, Coastal Practices Network (CoPraNet) initiative
- **Evening** – Dinner with Val and Ken at their home in Ladysbridge
- *Overnight: Carrigaline*

Wed. 20th: **On campus - University College Cork (UCC)**

- **10:00:** Meet with Andy and Max, UCC Geology Dept.: Coral mounds and seabed mapping
 - o **Andy Wheeler**, UCC Lecturer and Associate Researcher of CMRC, Marine Geologist, a.wheeler@ucc.ie
 - o **Max Kozachenko**, Marine Geologist, Doctoral Student, m.kozachenko@ucc.ie
- **12:00:** Meet with **Helen Bradley**, UCC GIS Officer and Lecturer, h.bradley@ucc.ie
- **1:00-2:15:** Lunch at Café Paradiso with Prof. Robert Devoy, Darius Bartlett, Helen Bradley
- **2:30-3:30:** Discussion with MA students in GIS and Coastal Mgmt diplomas, UCC Geography staff room

4:00, Geography Seminar, open to the public. Title: *Cracks, Creatures, and Creative GIS in the Pacific Ocean and the Western U.S.*

- *Overnight: Carrigaline*

Thu. 21st:

- **CMRC discussions on future efforts**, morning
- Landrover transit to Dingle, with Vicki O'Donnell, GIS Researcher, v.odonnell@ucc.ie, afternoon (3 hours)
- Evening pub gig of Ken Cotter, TomMacCarthys Pub, Goat Street, Dingle, www.kencotter.com
- *Overnight: Dingle*
 - o *Blue Haven Lodge, www.bluehavenlodge.com*
 - o *Ballymore, Ventry, County Kerry*

Fri. 22nd:

- Sum-up meeting with Val, hotel in Dingle
- Explore Dingle Peninsula
- To Cork, afternoon (3 hours)
- *Overnight: Carrigaline*

Sat. 23rd, **7:36am**: Dawn **dep.** Cork Airport

Schedule:

Lv Cork Aer Lingus 710, 7:36 a.m.

Ar Lon/Heathrow, 9:00 a.m.

Lv Lon/Heathrow, United

Ar Washington, DC, Dulles,

Lv Dulles, United

Ar PDX, 8:50 p.m.

Anthony's Shuttle to Corvallis, 9:05-11:00 p.m.

Describe any follow-up activity to be conducted proceeding the grant period:

National Science Foundation International Programs grant (\$60K) to be submitted by Oregon State University and CMRC together, 20 February 2005, to obtain funding for further collaborations (potential match from European Science Foundation or other EU source). We will be proposing joint workshops to be held in first in Cork, Ireland and then in Corvallis, OR so that we may further brainstorm on joint research that may be funded by larger pots of money. Ideas include:

- ❖ Comparing and contrasting the Oregon Coastal Atlas (OCA) with the Marine Irish Digital Atlas (MIDA) in terms of differences in data access policies in both countries, metadata protocols, how online tools in OCA may be used in an Irish context within MIDA (possible doctoral dissertation project)
- ❖ Development of spatial ontologies between OCA and MIDA in the context of the global spatial data infrastructure (GSDI)
- ❖ Development of tools for exchanging mutual ontology and thesaurus to help coastal resource managers communicate and share with each other
- ❖ Continued funding and exchange of doctoral students and researchers