Dublin City University

Campaign toward a Sustainable Campus/University

25/11/2015

DCU Strategic Plan & Sustainability

Transforming Lives and Societies

- Develop and implement a comprehensive Environmental Sustainability Strategy.

PROPOSAL:

DCU Sustainability Council is drawn from all parts of the University and should represent all Academic and Operational Areas in the University

Teaching and Learning Out/In Reach

Business School

- M.Sc. in Business Management
- Graduate Certificate/MSc in Sustainable Energy Finance
- MG334 : Business & Society

Humanities and Social Science

- B.Sc in Education & Training
- MA in Education & Training Management
- MA in Development
- MA in Ethics

Teaching and Learning @ DCU

Science and Health & Oscoil

- BSc in Horticulture
- BSc in Environmental Science
- M.Sc. in Management of Clean Technologies
- M.Sc. in Manage. for Sustainable Dev.
- M.Sc. in Manage. of Operations

Engineering and Computing

- Grad Cert/M.Eng. in Electronic Systems

Regional Centre of Expertise (RCE) Dublin in Education for Sustainable Development (ESD)

DCU

Comhairle Cathrach Bhaile Átha Cliath
Dublin City Council

JUST FORESTS

THE GREEN WAY
DUBLIN'S CLEANTECH CLUSTER

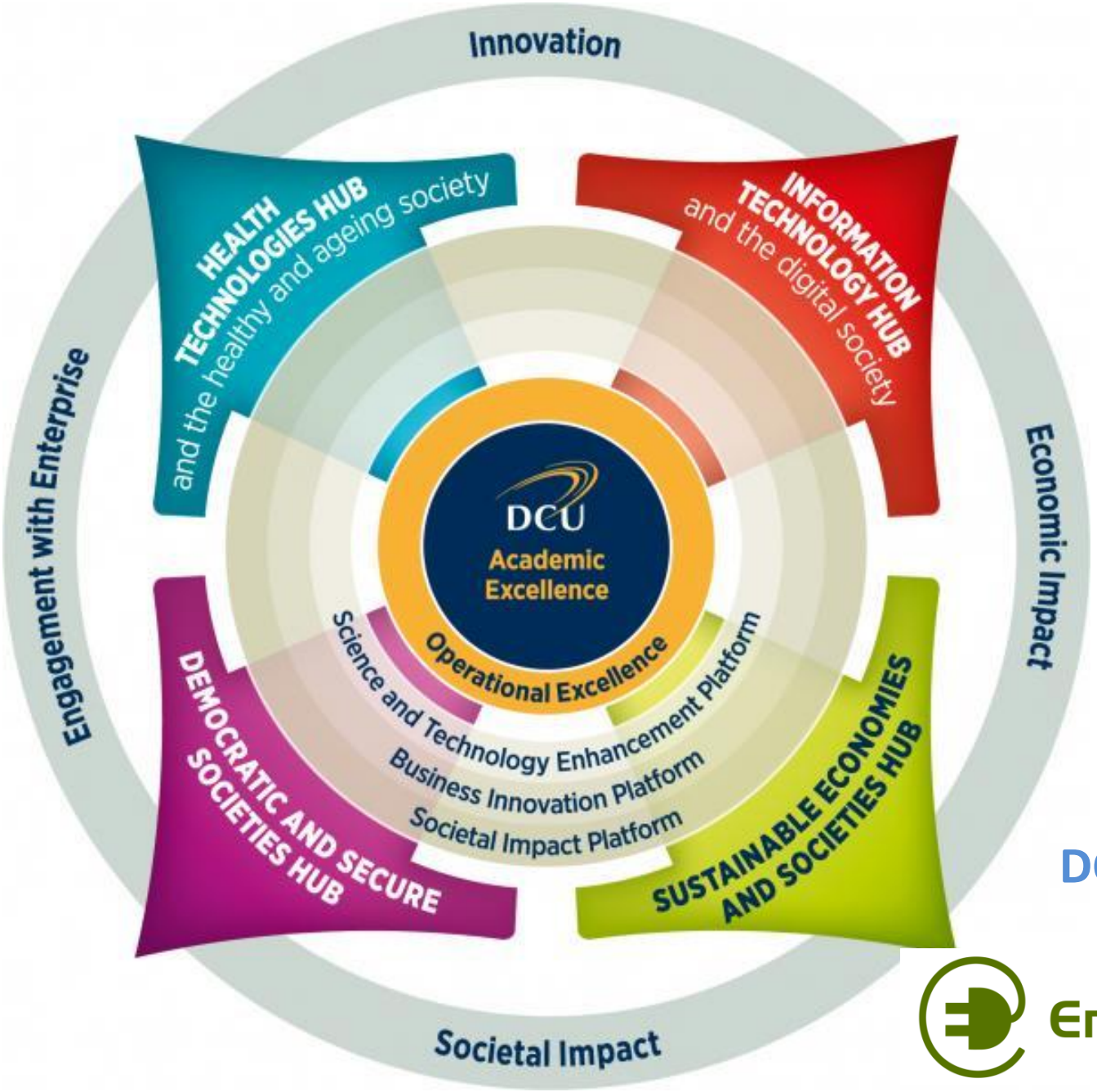
eco UNESCO
conserving the environment
empowering young people

DCU

Educate Together

An Taisce
The National Trust for Ireland

FIGHTING WORDS
THE WRITE TO RIGHT



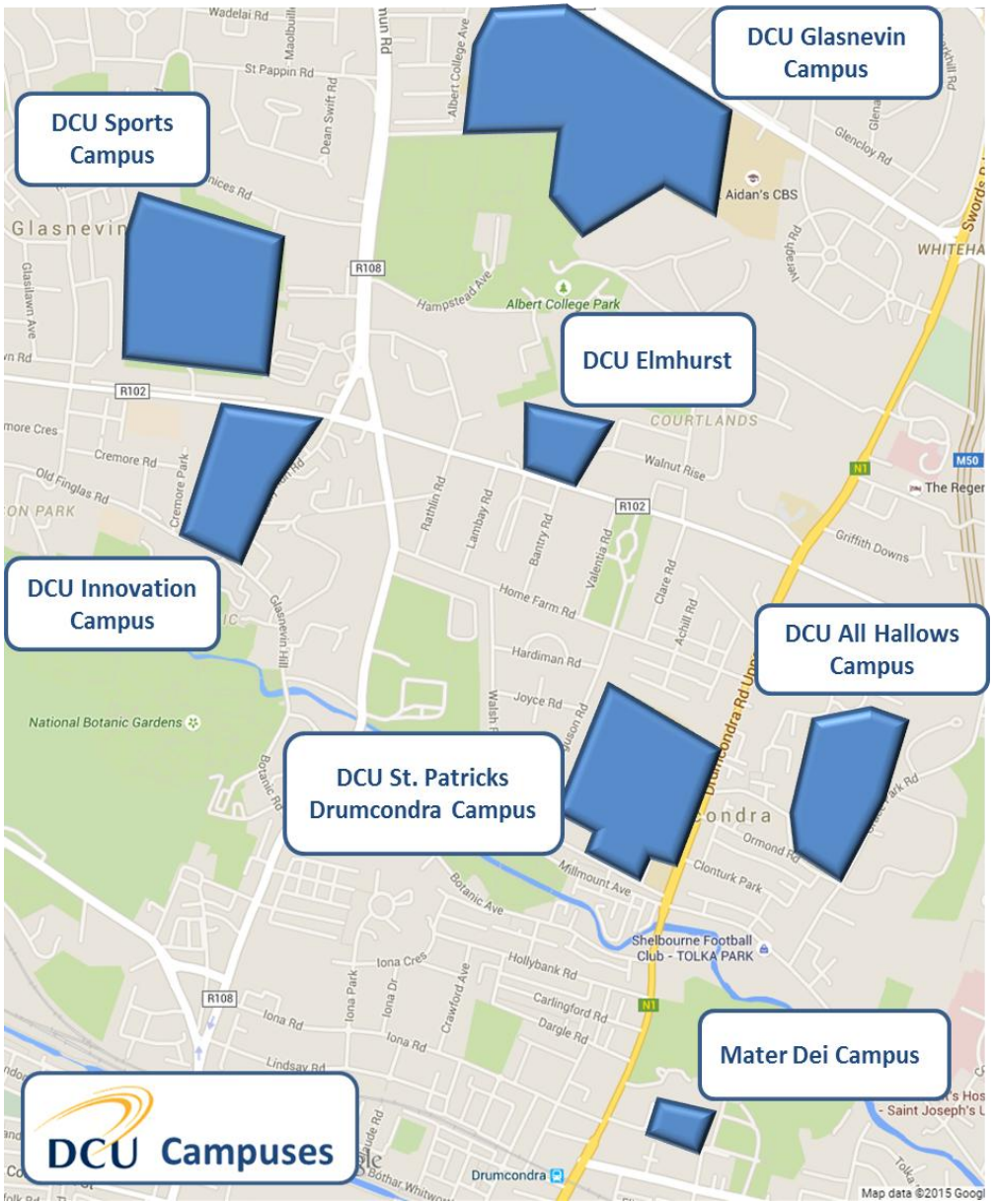
DCU

DCU Innovation Cleantech Campus

DCU Water Institute

Energy Design Lab

Campuses



Post Incorporation Sept 2016

Students : 16,000

Staff : ca 1,600

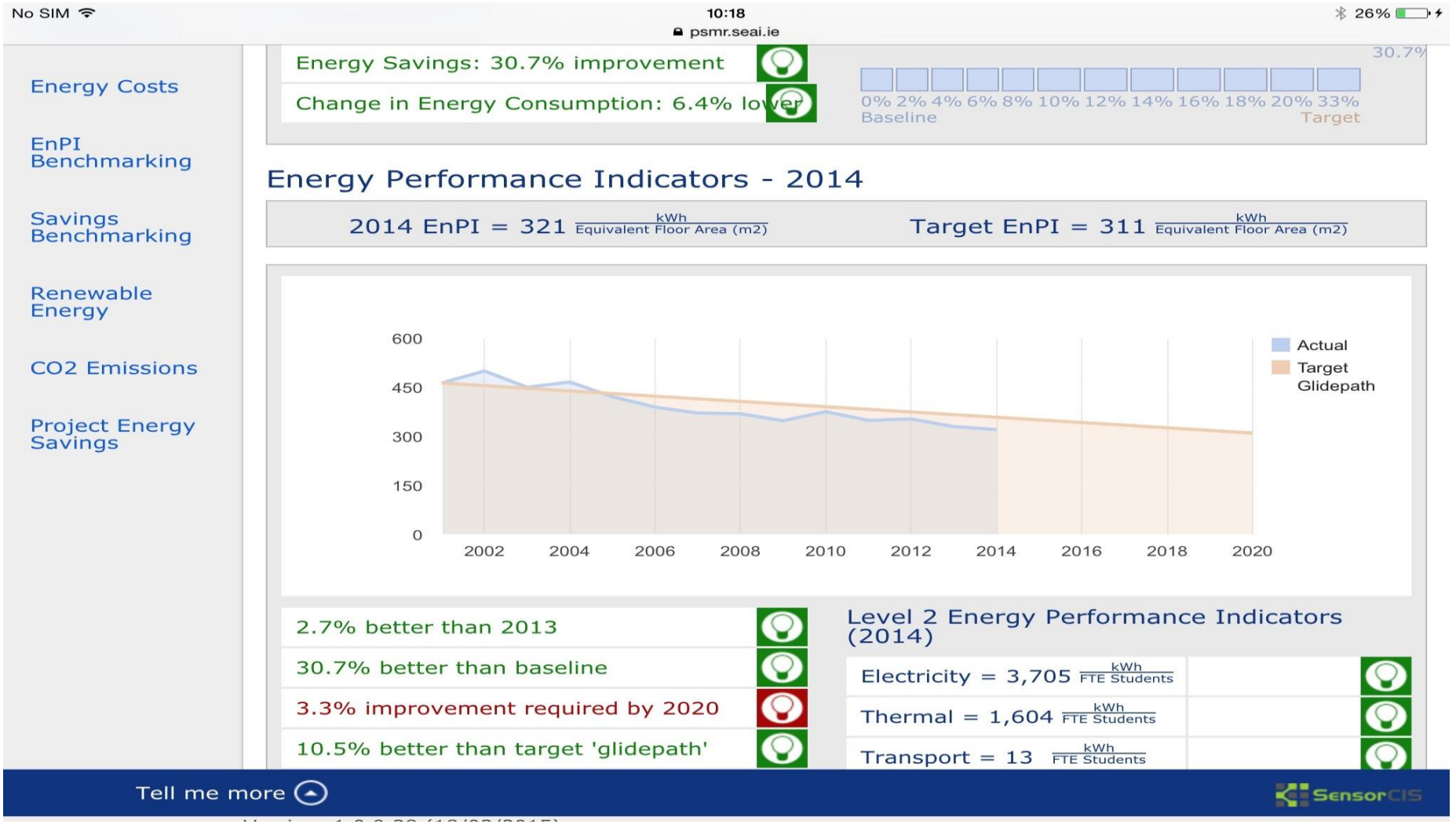
Campaign toward a Sustainable Campus

- Green Campus Programme
- Energy Water Waste Biodiversity & Transport
- Awarded in July 2014, renewed June 2015

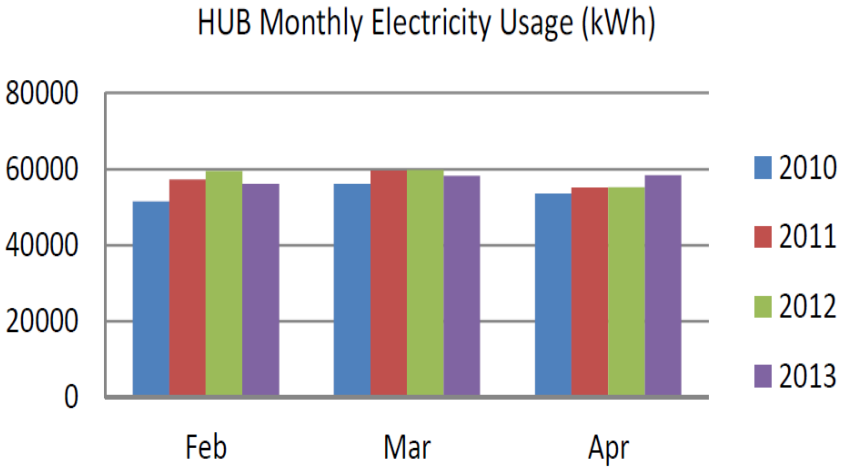
Sustainability Motion

The DCU SU amended its constitution to include sustainability :2.1.6 To promote an ethos of environmental sustainability within its operations.

2020 Energy Targets



Energy



Demonstration in DCU Community Garden

- Solar
- Urban Wind Turbine
- Biogas
- Hydrogen !

Waste

Glasdon
Glasdon Ireland Division
Glasdon UK Limited

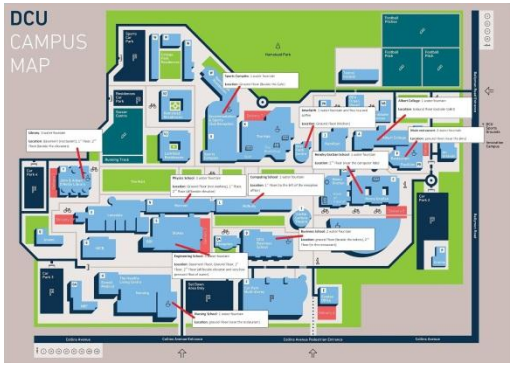
ecobin

Larkin
ENGINEERING
STREET PRODUCTS

Bin your Butt!

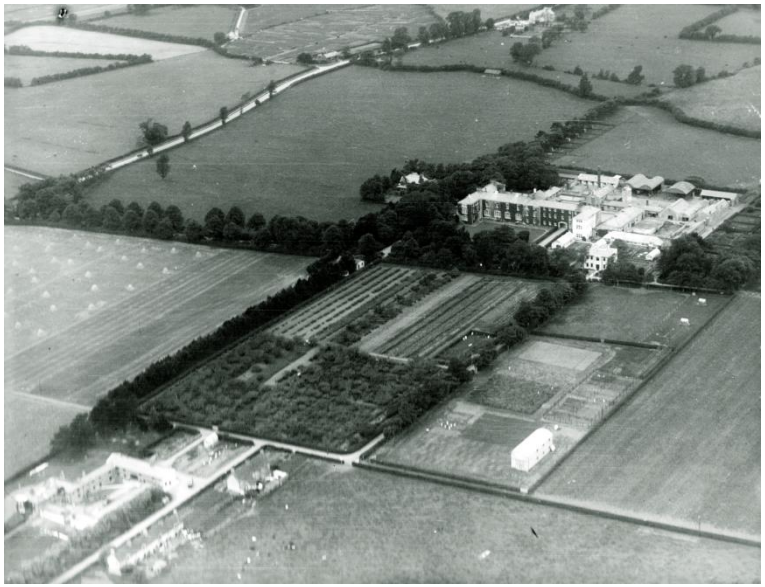
Cigarette butts leach toxic chemicals into the soil and waterways that are used to produce our food and water. Please don't litter your butts – they are NOT biodegradable!

Thank you from the DCU Green Committee



Water

DCU Community Garden



The DCU Community Garden aims to

- Open inclusive community garden
- Opportunity for education and training
- Space for joint and shared learning across communities
- Living lab garden for the demonstration of new and innovation solutions to local and global issues, social, cultural, economic and environmental.

United Nations Decade on Biodiversity

Current Engagements

- **Community Employment x 3 (Ballymun Welfare Rights)**
- **Tus Placements (TAP) x 5**
- **Membership** – Student/Staff & Community - small but growing – all time based
- **Marks and Spencers** – Spark Something Good (Sept 2015)
  - 6/8 Volunteers (€500)
  - Clearing fruit bushes, mulching, herb plots, garden map
- **Deloitte** (June & Sept 2015)
  - w/ An Taisce Green Communities
  - 15/20 Day 1 10/15 Day 2
  - Pond, Digging beds, planting beds, clearing, mulching…
  - Possibility help with skin for second poly tunnel next time (2016)
- **An Taisce Green Communities**
  - Moth Night (Sept 2015)
- **Central Remedial Clinic** (Clontarf)
  - Under discussion

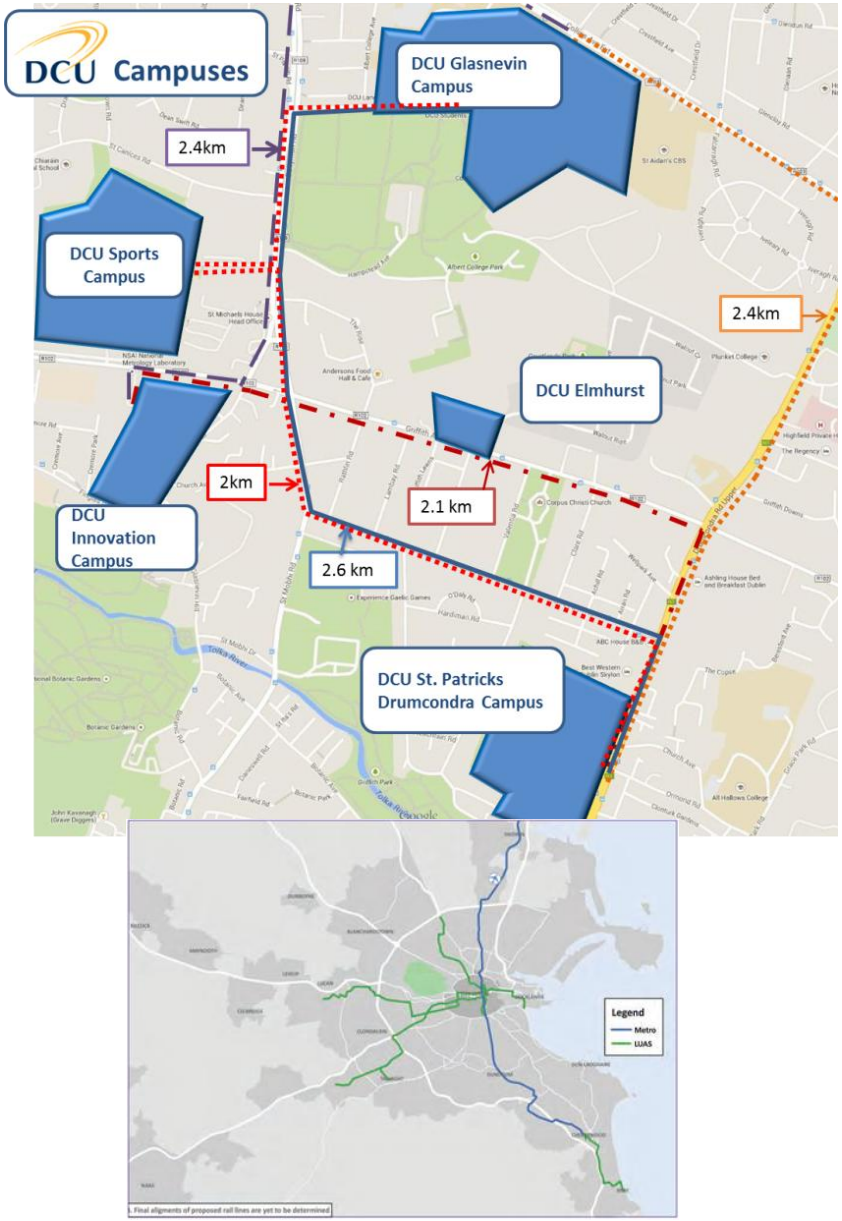
Current Engagements

- Research/Final Year Projects
  - Soil Analysis : James Platt w/ School of Chemistry
  - Garden App : Kevin Mc Mahon w/ School of Computing
  - Solar panels : Alex Conlon w/ School of Electronic Engineering
  - Honey Bees : Saorla Kavanagh w/ School of Chemistry
  - Horticulture Histories w/ RCE Dublin
  - Site for Bio-refinery (seaweed) application under consideration by EI Commercialisation Fund : Silvia Tedesco w/ School of Mechanical Engineering

- DCU Restaurant
  - Food from the DCU Community Garden used for ASU visit
  - Need to agree longer term engagement rules

Transport

- DCU Mobility Management Plan
  - 90% sustainable commuting
  - Efficient high capacity public transport service
  - Sustainable inter-campus commuting
  - What we would like/need : High capacity efficient direct campus service – Metro North

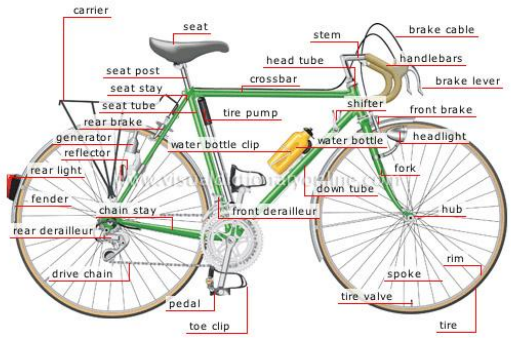


Transport Target : Mobility Management Plan

smartertravel
campus

Active Transport

CENTRE REDISCOVERY



DCU Ollscoil Chathair Bhaile Átha Cliath Dublin City University

Inter Campus Bicycle Scheme

- For University Staff
- For Intercampus commuting
- For free

www.dcu.ie/info/walking_cycling.shtml#DCUICBS

Transport – Public Transport

- Dublin Bus – increase buses & frequency
- Private buses – Newbridge/Naas, North Dublin

leap card hop, skip, jump

eduroam

HEAnet Ireland's National Education & Research Network

GO CAR drive different

CarSharing.ie make every trip count

ICCC – COP21 – Paris 2015

United nations conference on climate change

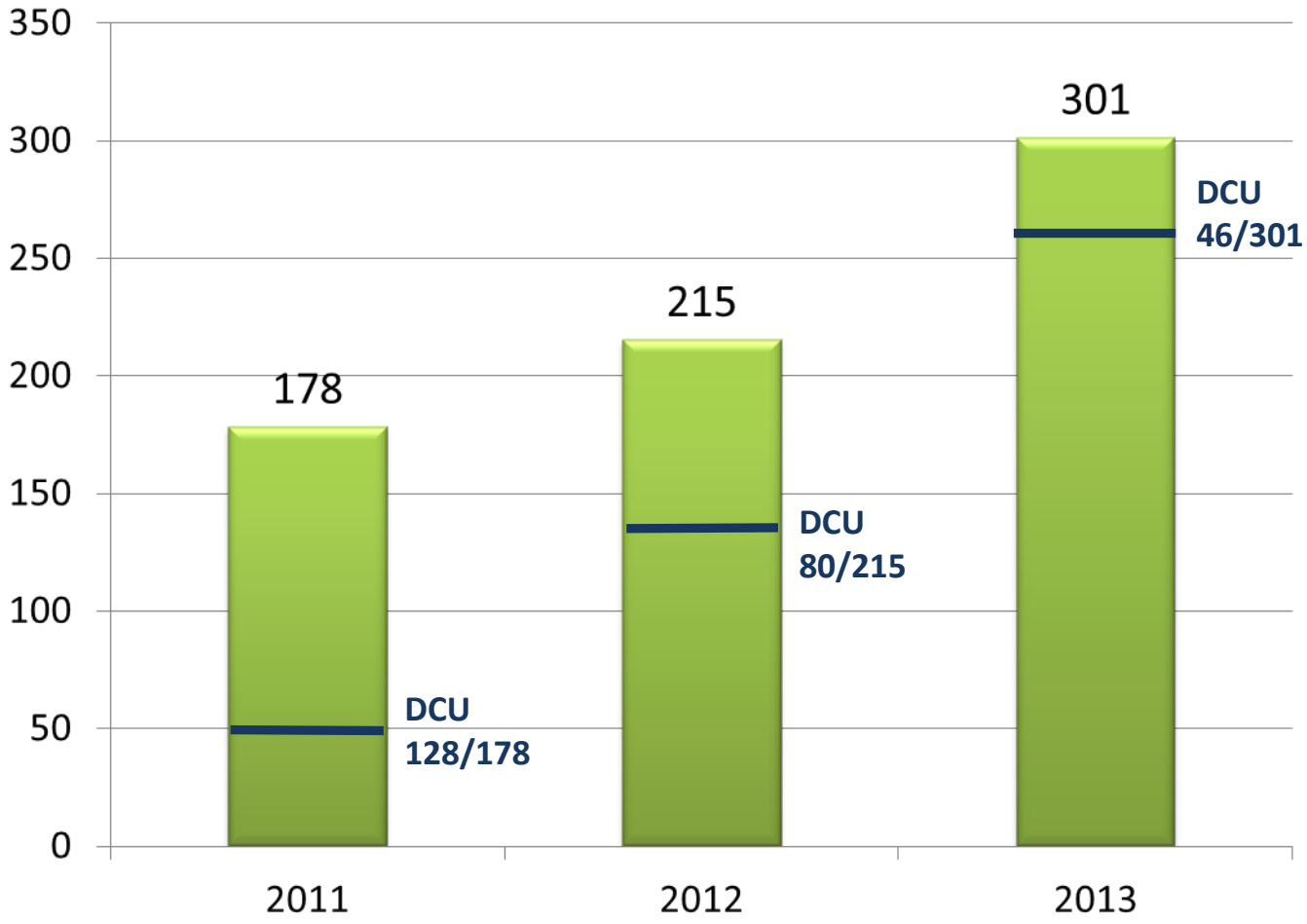
COP21/CMP11

- Incorporation COP Simulation
- Climate Chats
- Sustainability public event (Q1 2016)

Thank you

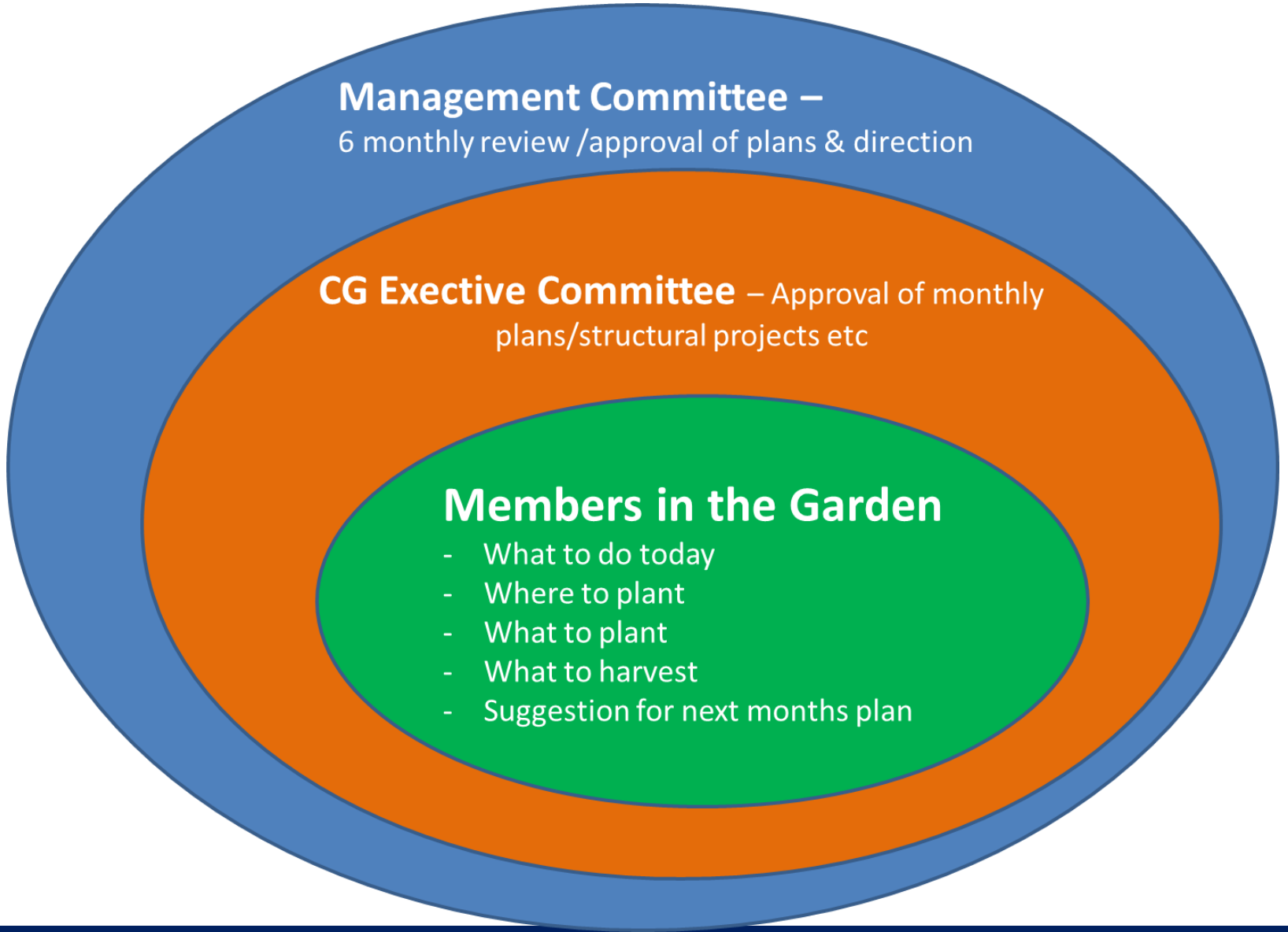
Contact : sustainability@dcu.ie

DCU in UI Green Metrics



DCU Objective

Management of the Garden



DCU Programme Projects

- Biodiversity Database

United Nations Decade on Biodiversity

- Waste in Residences

- Water in Sports Complex

- Community Garden