

SERVE projekt - Sudjelovanje građana i brižljiva priprema donosi uspjeh

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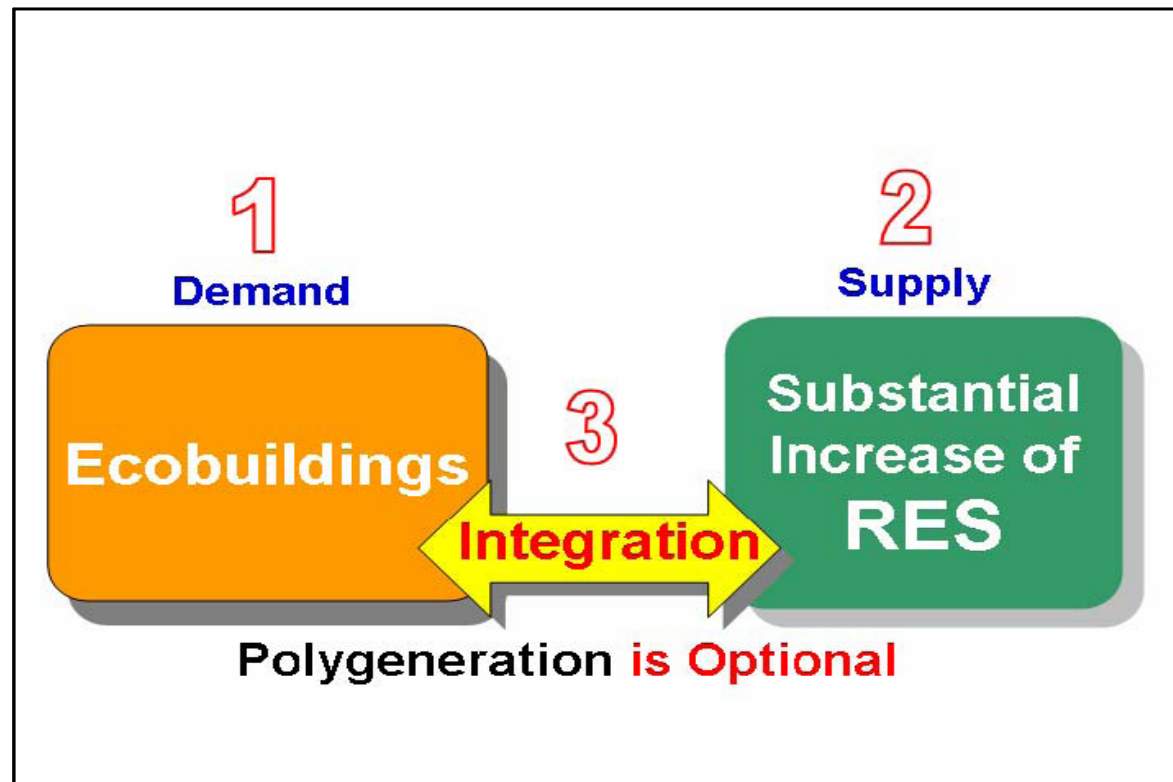


Umjesto uvoda

- SERVE: Sustainable Energy Rural Village Environment
- Što je 6th Framework?
- Što je CONCERTO?
- Zašto Regionalna energetska agencija Sjeverozapadne Hrvatske?
- Zašto održiva gradnja?

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Zagreb, 18.10.2008.

CONCERTO Funding– Integration of Energy Use and Renewable Energy Supply



Što se zapravo želi napraviti?

- Eco-Village = izgradnja 132 objekta s 30% boljim energetskeim karakteristikama
- Rekonstrukcija 500 postojećih kuća (izolacija, kontrola potrošnje, novi izvori)
- 300 pojedinačnih oie sustava (100 malih peći na biomasu, 20 kotlova na biomasu, 100 solarnih kolektora, 10 vjetar/PV sustava)
- Područno grijanje (biomasa/solar)

It's a Long Way to Tipperary...



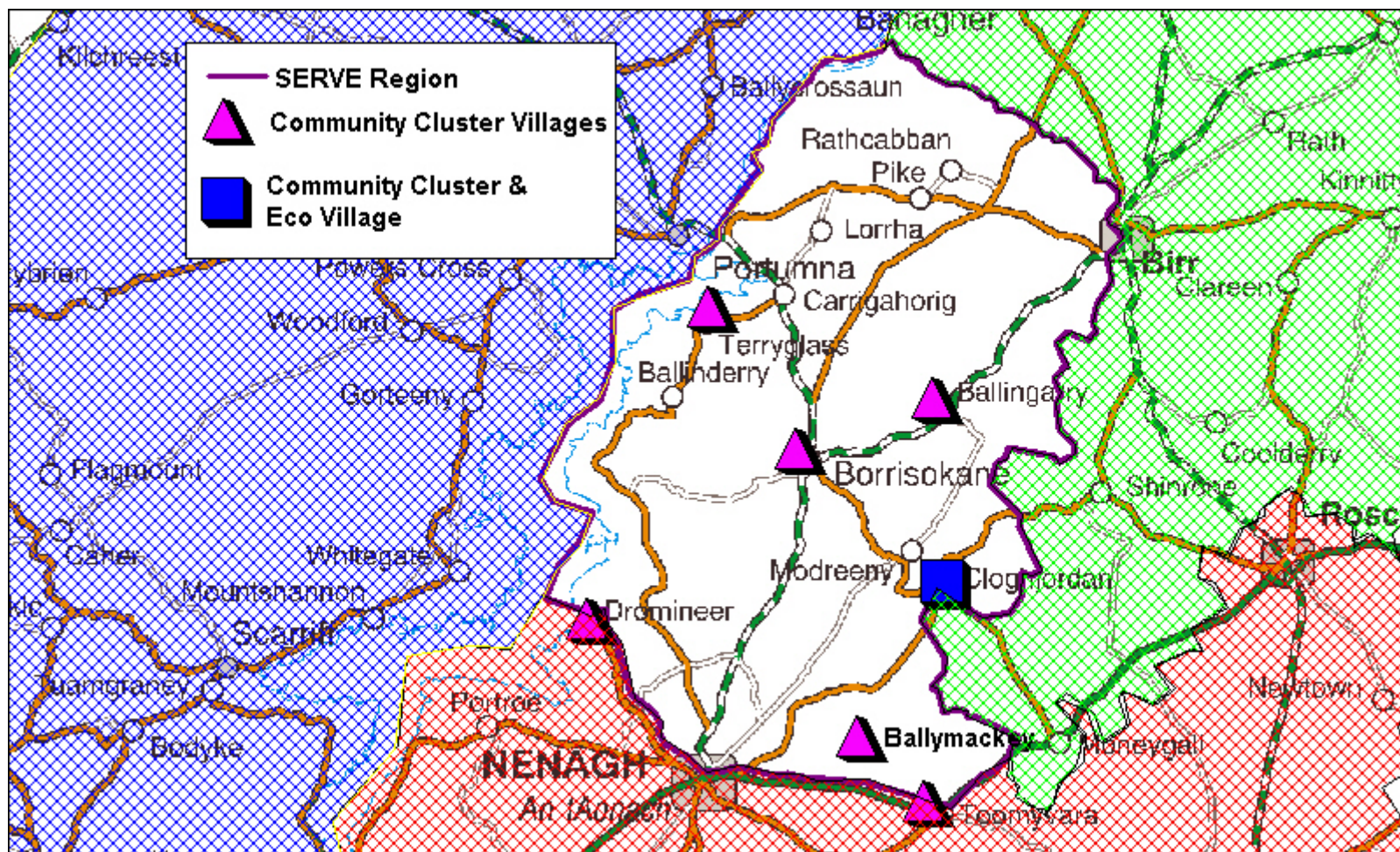
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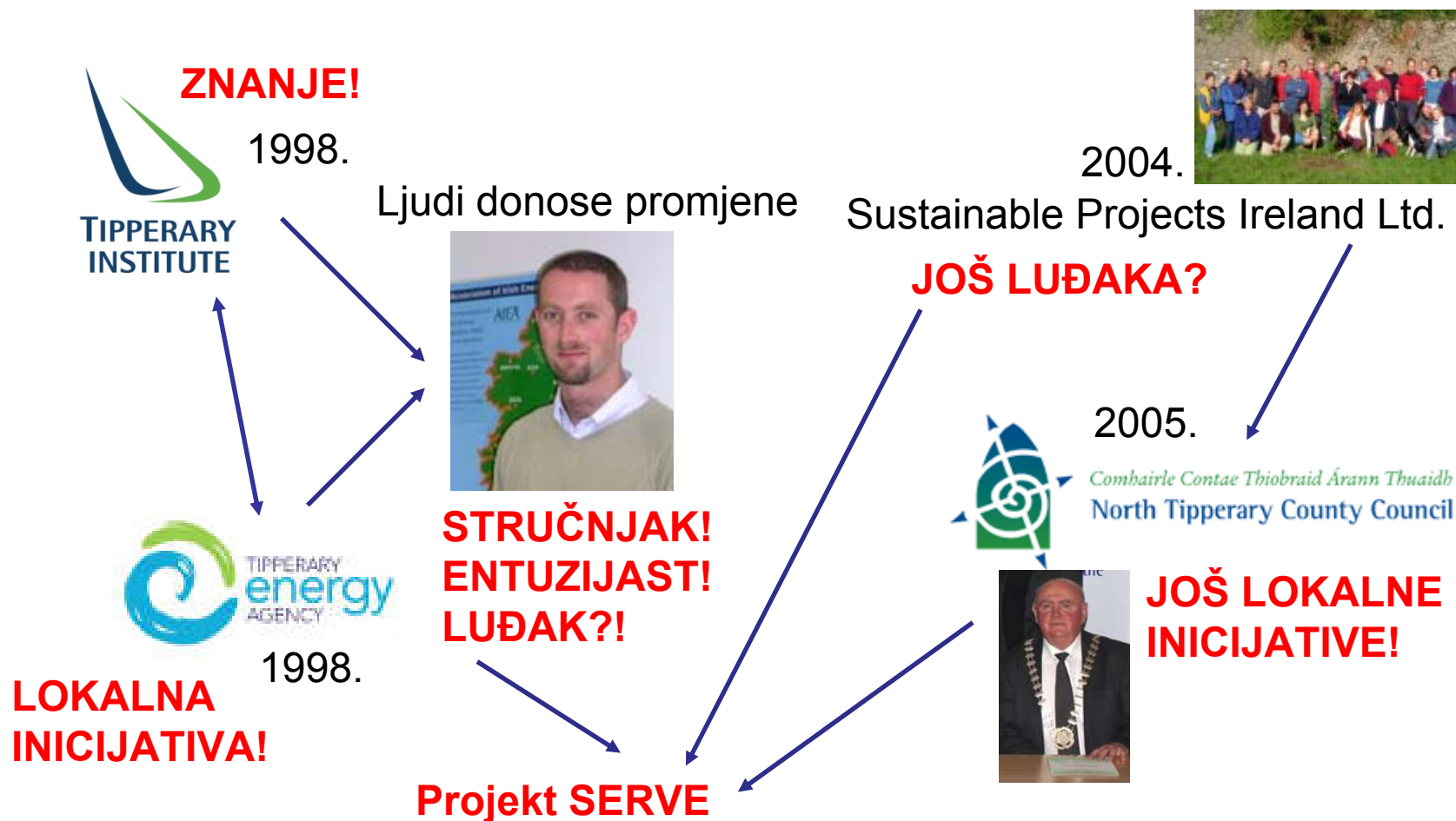


SERVE – Projektno područje



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Kako je krenulo...



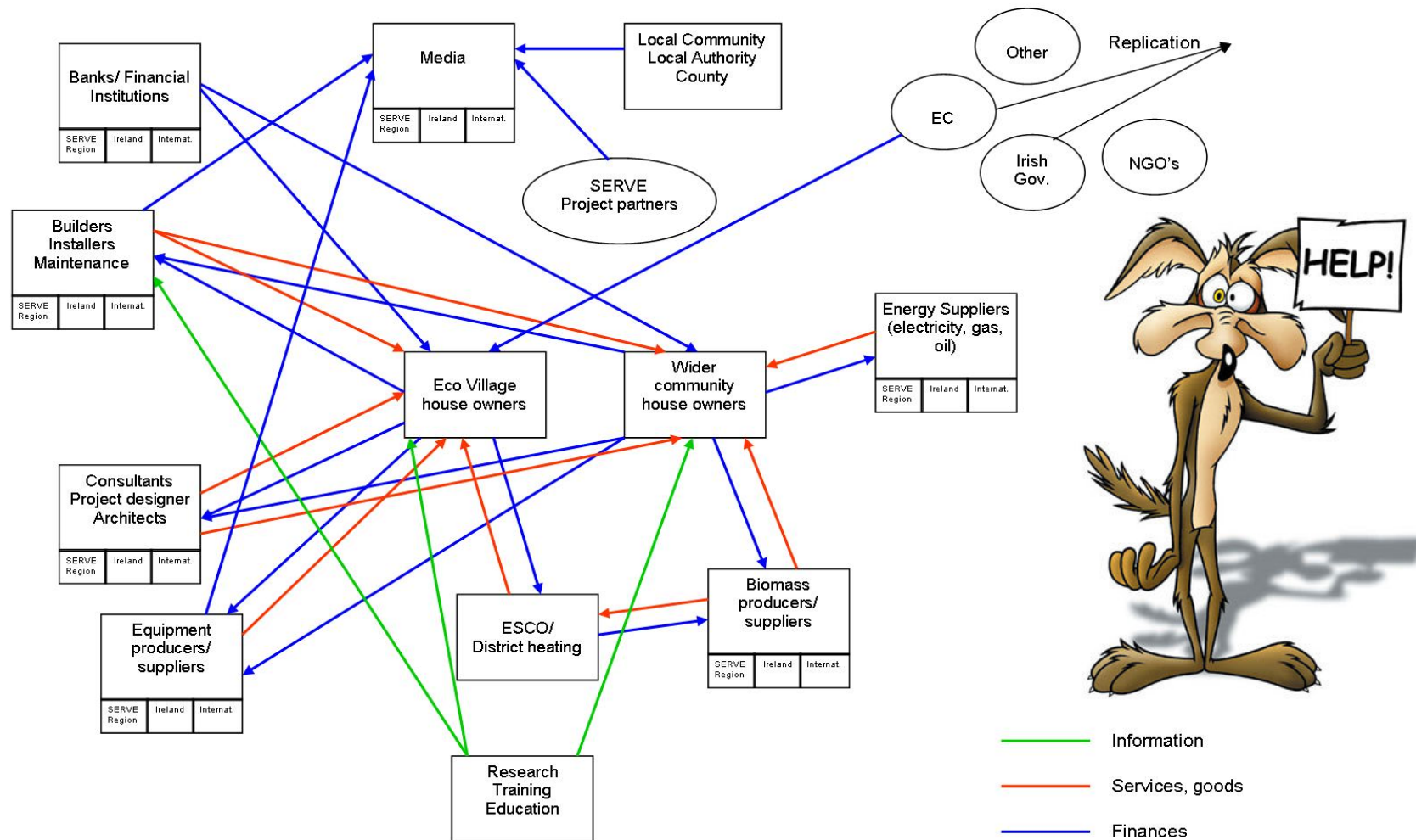
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Holcim
Cement. Beton. Agregat.

...a gdje smo sada!



Projekte pokreću ljudi!



Martin Maguire

I'm from Dublin and married to Bríd Ní Chumhaill. We have two children; Ruth who is 14 and very active in SPIL already and Danny who's 7 and very active everywhere. I'm a former secondary teacher now working in theatre and film. Bríd got me interested in the project through ideas of community but eating my

John Jopling

Aged 71, retired from practice as a lawyer in London. Chair of Feasta (Foundation for Economics of Sustainability) and co-sponsor of WDN (Worldwide Democracy Network). Moved to Cloughjordan in September 2005 with Miriam Kelly and Aoise. For me what is exciting about the Village is the opportunity we contribute to bringing about radical system-change, from the current all-pervading command-and-control mindset associated with capitalism and representative democracy to the new paradigm of self-responsibility, self-organisation and self-belief.

the environmental movement. I was introduced to sustainable communities via the eco-village movement in 1996. With the eco-village idea I immediately understood the potential of well-designed sustainable housing

Michael Newham & Ann-Marie Mullen

The one thing we're interested in - is creating a lifestyle that lets us experience life to the full. We know that the future 'Sustainable Quarter' of Cloughjordan will help to create that lifestyle. The ability to design and build our infrastructure and buildings, to grow our own food and harness energy, to create a wildlife park that lets nature 'do her thing' - should be of benefit to all who live in the Cloughjordan area. We also realise that the potential for quality jobs and responsible tourism will be dependent on our collective determination to make Cloughjordan the best that it can be. We also feel that a sense of community trust and a barrel-full of good natured humour is also vital to the success of this project?

Tracy Culleton

I'm married to Peter Harris and with one son and FFT practitioner. Peter's a software engineer

Caoimhin Woods

Age 38, teacher. We want to live in a healthy in a home that is warm and welcoming, in a place belonging. To have a livelihood that is productive and does not depend entirely on global economics or fossil fuels or exploitation and that functions within the local region. A place where our children will grow up safe, in an environment that fosters closeness to nature and good food. To quote Christopher Day we need our own 'places as houses for the soul not as boxes for the body'

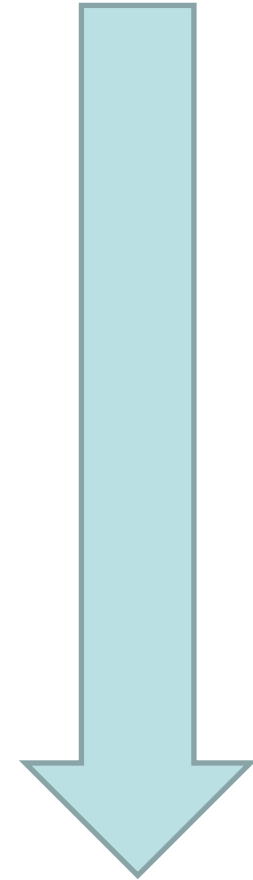
The village appealed to me as it was a group of like minded individuals who see the value and importance of building in harmony with nature but also the importance of community. My child growing up in a safe, interesting and progressive environment is also an important reason for joining this project.



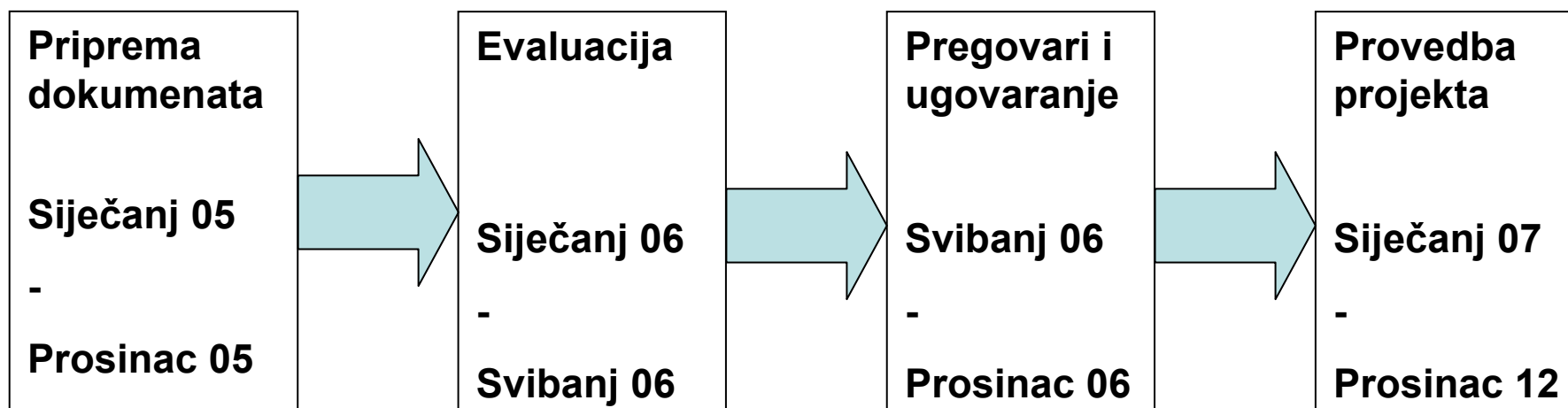
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Razvitak EU projekta

- Priprema dokumentacije
 - Studija izvodljivosti financirana od SEI
 - Tehnička izvodljivost i opcije za međunarodni konzorcij
 - Organizacija međunarodnog konzorcija
 - Izrada (pisanje) dokumentacije
 - Tehnički opisi i proračun
- Evaluacija
 - Nezavisni stručnjaci i EC
- Pregovaranje i ugovaranje
 - Tehnički pregled
 - Pregled proračuna
 - Pravni aspekti



Razvitak EU projekta (2)



Partneri

1	Tipperary Rural and Business Development Institute Ltd	TI	IRELAND
2	North Tipperary County Council	NTCC	IRELAND
3	Sustainable Projects Ireland Ltd	SPIL	IRELAND
4	Tipperary Energy Agency Ltd	TEA	IRELAND
5	Renewable Energy Management Services Ltd	REMS	IRELAND
6	Energy Consulting Network	ECNET	DENMARK
7	Econnect Ltd	ECONNECT	UNITED KINGDOM
8	CIRCA Group Europe Ltd	CIRCA	IRELAND
9	North West Croatian Energy Agency	REGEA	CROATIA
10	European Federation of Regional Energy & Environment Agencies	FEDARENE	BELGIUM
11	Surface Power Technologies	SPT	IRELAND
12	Ayuntamiento de El Franco (Observer Community)	Ayto. El Franco	SPAIN

Objašnjenje – Lokalno

- Područje Eco-Village definirano je i smješteno u CloghJordan-u
- Na koji način može ovakav inovativan primjer utjecati na održiv razvoj u široj zajednici?
 - Biti primjer dobre prakse
 - Stvoriti domino efekt
 - Biti centar za edukaciju i trening
- Da li je moguće pokazati da ruralno područje može postići visoke standarde održivog razvoja?

SERVE Regija

- Površina: ~ 600 km²
- Ukupan broj stanovnika: ~ 10,000
- Stanovnici ruralnog područja: ~ 4,770
- Smještaj Eco-Village-a: Cloghjordan
- Podaci o potrošnji (2005.g.)
 - Najveći potrošač energije : Promet (37%)
 - Glavni energent: Nafta (75%)
 - % obnovljivih izvora: 1% ukupne energije; 6% energije za zagrijavanje
 - Karakteristična energetska značajka kuće iznosi (E):
210 to 300 kWh/m² /yr
- Broj vjetroelektrana (2006.g.): 1 (5.2MW)
- Ukupan broj kuća (2006.g.): 4,000 (60% konstruiranih prije 1981)



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Najvažnije aktivnosti vezane uz projekt

- Eko zgrade – Energetska učinkovitost
 - Smanjenje potrošnje u postojećim kućama
 - Izgradnja novih energetske efikasne kuća
- Demonstracija obnovljivih izvora energije
 - Povećati potrošnja energije iz obnovljivih izvora u postojećim kućama
 - zadovoljenje 100% zahtjeva za energiju u Eco-Village-u
- Mjerenje potrošnje u Eco-Village i postojećim zgradama
 - Mjerenje postignutog i evaluacija rezultata
- Istraživanje
 - Planiranje budućnosti i utvrđivanje različitih drugih utjecaja
- Trening

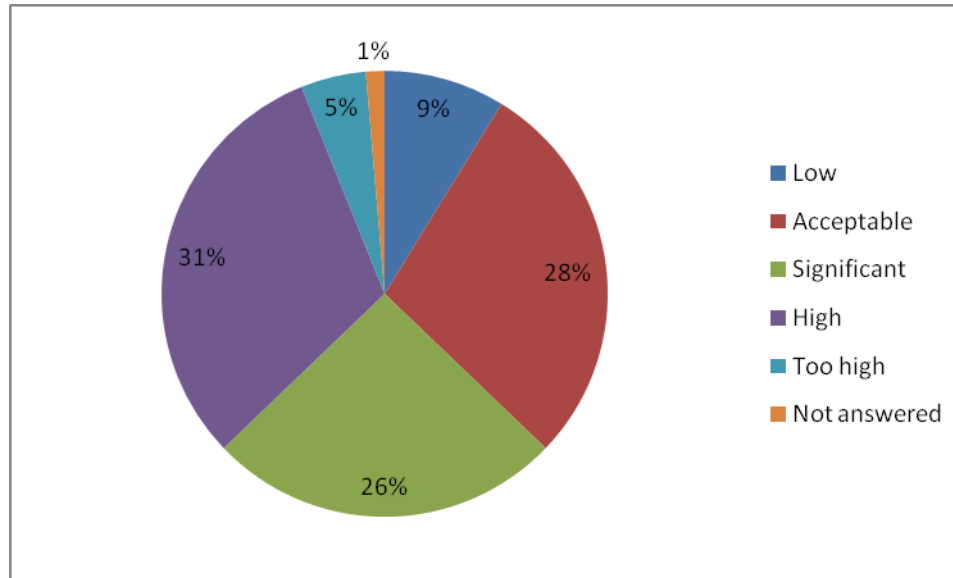
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Što smo do sada napravili?

- U Irskoj se do sada nisu dodjeljivale potpore postojećim građevinama pa smo morali u skladu s tim
 - Osmisliti shemu za subvenciju i nivoe potpore
 - Kreirati registar dobavljača za izolacijske materijale i sustave grijanja
 - Razviti metodologiju za ocjenjivanje stanja postojećih kuća
 - Razviti on-line bazu podataka za upravljanje podacima i subvencijama
- Instalirana je mreža za sustav područnog grijanja i predviđena izgradnja postrojenja
- Započeto je istraživanje socio-ekonomskih aspekata projekta
 - U srpnju/kolovozu završeno je anketno istraživanje
- Zajedno s CONCERTO Plus surađivali smo na zajedničkim temama
 - Širenje znanja
 - Tehnički i socio-ekonomski indikatori

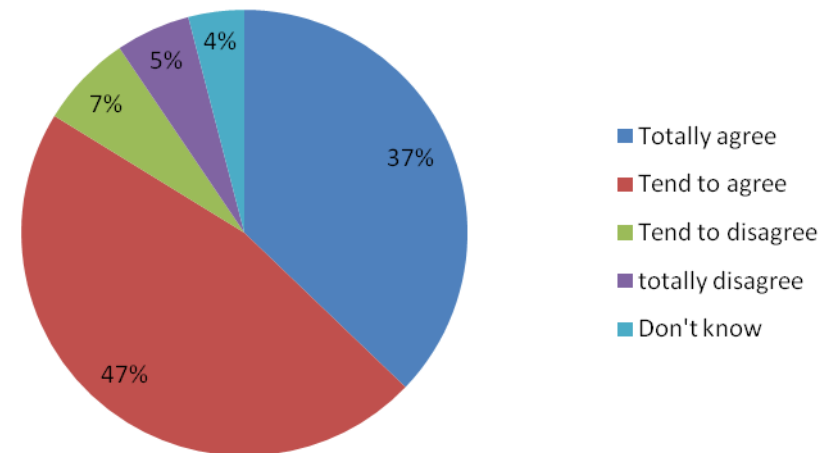
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Što smo naučili?



Troškovi za energiju

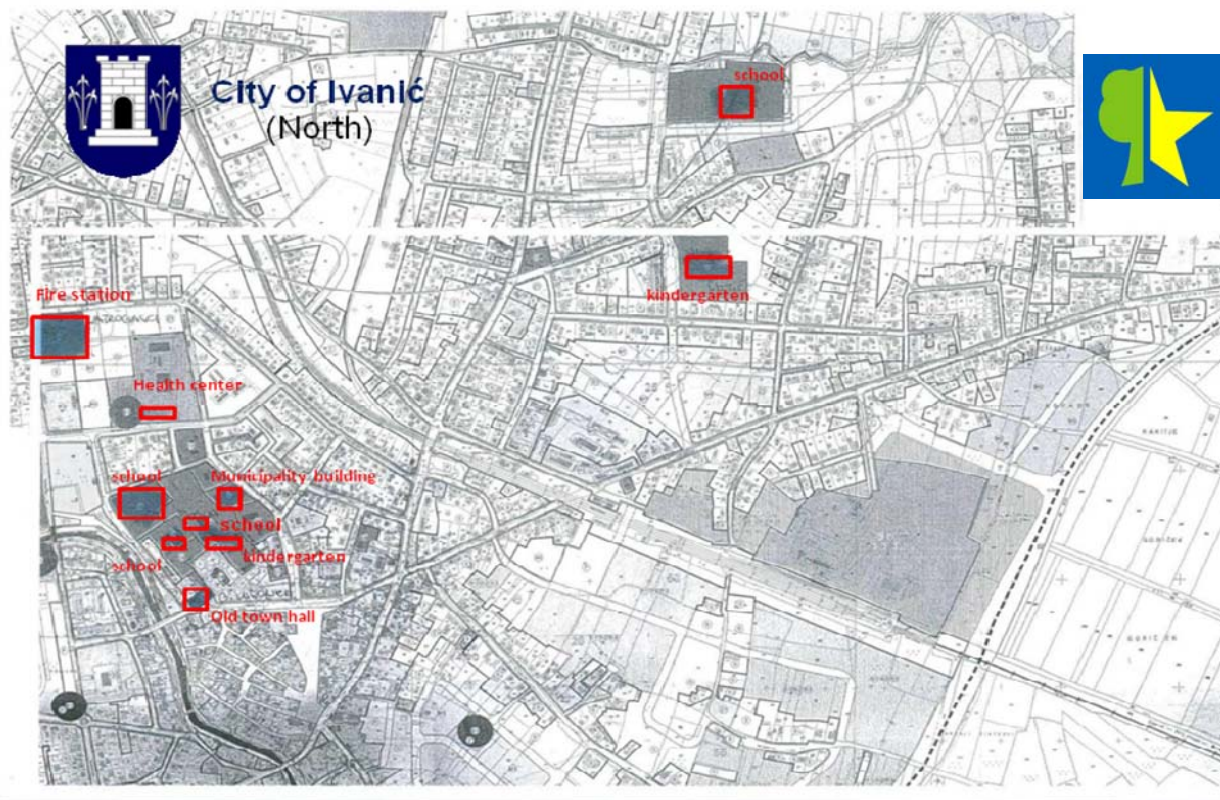
Potporna kupovini proizvoda koji pozitivno djeluju na okoliš unatoč njihovoj višoj cijeni



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Uskoro i u Hrvatskoj?

- Concerto projekt u Ivanić-Gradu



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