

ROADSHOW

Co-creational approach promoting happier, heathier and more connected communities



This project has received funding from the European Union's Seventh Programme for research, technological development and demonstration under grant agreement No 608702

Roadshow Team: Prof.Dr. Craig L.Martin (TU Delft / UCLan) – Leader; Prof.Dr. Andy vd Dobbelsteen (TUD); Prof. Greg Keeffe (QUB); Dr. Riccardo Pulselli (UoS); Siebe Broersma (TUD); Prof.Dr. Han Vandevyvere (EnergyVille/NTNU); Dr. Andy Jenkins (QUB); Anneleen Vanderlinden (Th!nk-e); Achille Hannoset (Th!nk-e); Dylan Alling (Communication Advisor City-zen)

What is it? 12:55 - 13:15

- Live. Onsite. City-specific.
- Sustainable Neighbourhood / City Visions.

and the

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ROADSHOW

Heart of Community.

• Team specialisms

- Social impact. Lifestyles.
- Urban design.
- Architecture.
- Carbon Accounting.
- Building technology.
- Mobility.
- Energy Potentials.

Presented by Prof. Dr. Craig Lee Martin (TU Delft / UCLan) City-zen Roadshow Leader email: C.L.Martin@tudelft.nl

What is it? 12:55 – 13:15

- Expert Stakeholders.
- Bridge. Specialist knowledge
 stakeholder experiences,
 understanding commitment
 & enthusiasm.

Sugular

herten

- Highly visual, replicable, vital, fun.
- Story telling.

Presented by Prof. Dr. Craig Lee Martin (TU Delft / UCLan) City-zen Roadshow Leader email: C.L.Martin@tudelft.nl



MENORCA 'SWAT' STUDIO (FEB 2017)

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El Maó més autosuficient Alumnes de la Delft University of Technology han planteiat propostes per fer que la ciutat sigui més sostenible

22 | MENORCA + Es Diari | Mando, 11 DE MARDO DE 2017

a Menorca

wien disposant els fer un carwi radical en el disseny rbà de Maó, a carwi de tenir una ser al trânsit? Aque a és una de les grans pres

s, al port, a la zona de l'avit

Plaça Comquesta. Aquest punt quasi en total de-sús en l'actualitat, es podría convertir en una espècie de mercat agrarí, totalment desmuntable, reconfigurable i ple de vegetació, que es destinaria també a l'oci, amb es-pais per a la lectura. Comptaria amb panells soliars per fer-lo totalment autosuficient.

Dues setmanes de treball a l'Illa per presentar els seus projectes

adjudicat, per tal d'aplicar-h Els estudiants han estat a Els estudiants nam esten « Menorca durant dues setma-tes, temps durant el qual han estat analitzant les característi-ques de la ciutat. Han estudiat presente estudiat millors mesures en matéria d'eficiència, aixó com també d'ato gar-los un major valor mediam biental. Es trebalis finals es va presentra athi de mati a la seu de l'Institut Menorqui d'Estudi Van assistir a l'acte el conseller insular de Mobilitat, Miquel Preto, la regidora de Medi Am-bient de Maú, Isabel López, l' David Carreas, de l'OSSAM. a situació climàtica, les emis-ions i la petjada de carboni, la sultura, l'economia, la morfoio-gia urbana i també la tipologia fels edificis. A partir d'aquesta nalisis han proposat les seves dees per convertir els diferents sunts de la ciutat que se'ls ha

Port Els alumnes hi propo Els alumnes hi propo-tal que sigui nott més dilárni pensta per a lor seg. El traisir cotta no selimia per ols que queda total-ment dissimulat, aprofitant el carvi d'ubicado del traisir maritim a s'Alta Banda, proposen fer un centre wellnes a l'antiga Estació Maríltima, amb restaurant, spo exteriori una plataforma elevada connectant amb les escales que pugen al centre. Tot el projecte contempla la implantado denergies netes el reaprofitament, per exemple, de les al-guis calentes de la central térmica.

Rubió Tudurí. El parc perdria les barreres que el deli miten per obrir-se al barri i convertir-se en un autèn tic pulmó verd, des de l'avinguda Vives Uull fins a la pista d'atletisme del pai per al trànsit quedaria molt reduit nectaria l'er





MENORCA 'SWAT' STUDIO (FEB 2017)



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Reduir les emissions de CO2 a l'atmosfera i millorar el benestar dels ciutadans és l'objectiu del programa City-Zen Roadshow de la Unió Eurpea, que enguany ha triat Menorca com a zona d'estudi. 12 alumnes del màster de la Universitat Tecnològica de Delft d'Holanda preparen la visita dels tècnics de la Unió el pròxim mes d'abril.

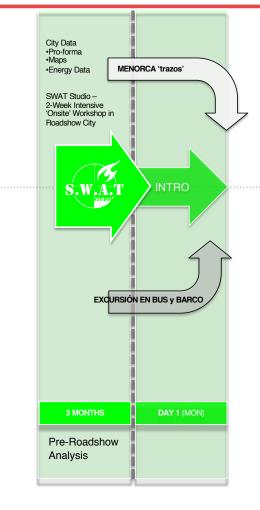
MENORCA 'SWAT' STUDIO (FEB 2017)



\gg City Data •Pro-forma •Maps MENORCA 'trazos' •Energy Data SWAT Studio – 2-Week Intensive 'Onsite' Workshop in Roadshow City Belfast (UK), The Colin Community Hub. A.T Izmir (Turkey), Yasar Universitesi. A. SCHEDUL 4 year Roadsh Schedule: DAY 1 (MON) Pre-Roadshow Analysis Gruz, Dubrovnik (Croatia).

DÍA 1: MENORCA 'TRAZOS'

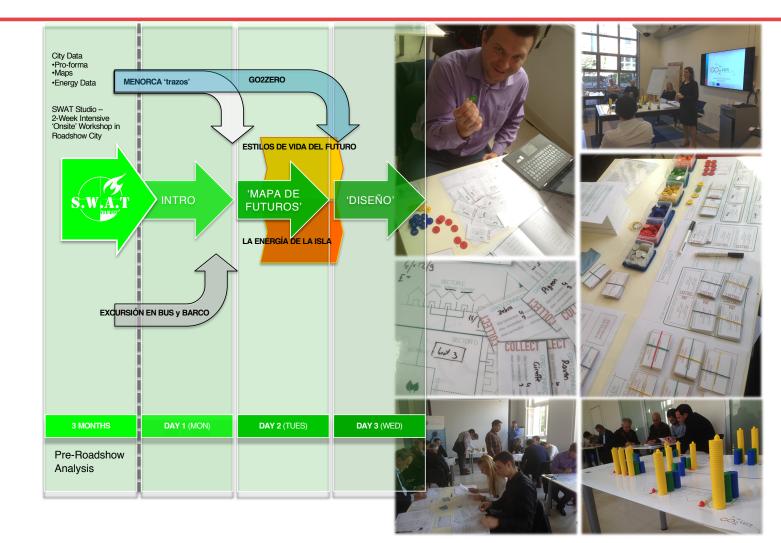
DÍA 1: EXCURSIÓN EN BUS Y BARCO





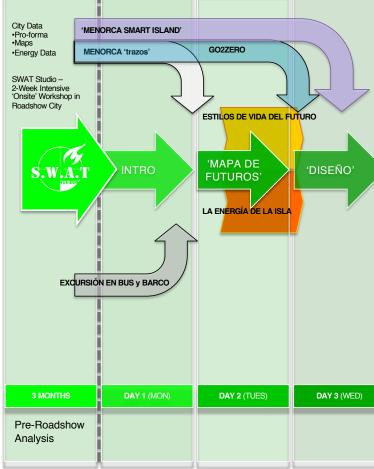
DÍA 2: 'MAPA DE FUTUROS' TALLERES PARALELOS COMENZAN





DÍA 3: 'DISEÑO' – SERIOUS GAME 'GO2ZERO'

DÍA 3: 'DISEÑO' – MENORCA SMART ISLAND GROUP



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El Consell impulsa l'ús del vehicle elèctric

ot cia publicado en: Actualidad - Fecha: 16 Septiembre, 2016 - Hora: 17:26



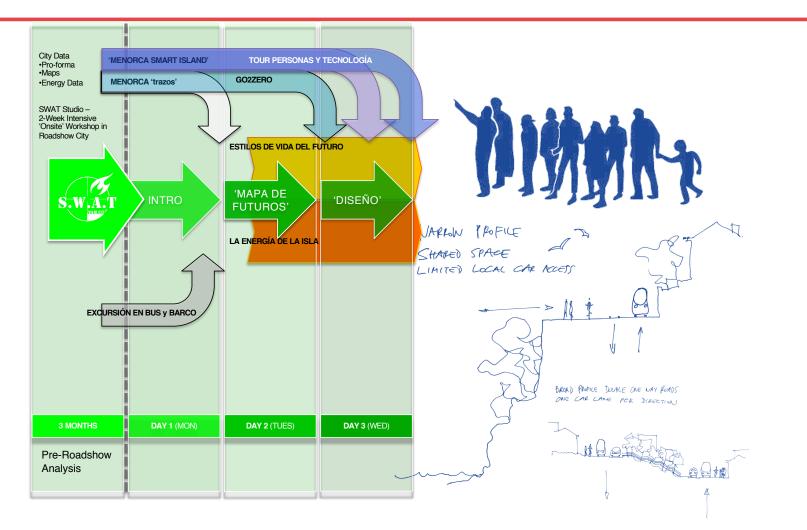
Mienorca Smart Island

El fet diferencial de <u>Menorca</u> com a **espai natural únic i fràgil a l'impacte de la petjada humana**, la pressió que rep el territori a causa d'una important afluència turística i la seva categorització con a <u>Reserva de Biosfera</u> des de l'any 1993, fa que es plantegi la necessitat de fer una **gestió int**el·ligent i innovadora dels recursos limitats disponibles. Al mateix temps, es busca que la tec nologia formi part del cicle d'accions i esforços constants de manteniment d'aquest entorn.

Am b la voluntat de seguir evolucionant i continuar la política d'utilització estratègica de les TIC per a la millora d'aspectes claus per a l'illa, des del departament d'Innovació <u>del Consell Insular</u> <u>de Vienorca</u> es treballa en l'estratègia "*Menorca Smart Island, Menorca Territori VIU*" amb la finalitat d'ajudar a millorar els serveis públics, la sostenibilitat mediambiental, la realitat socioeconòmica de Menorca i la qualitat de vida dels ciutadans de l'illa i dels seus visitants.

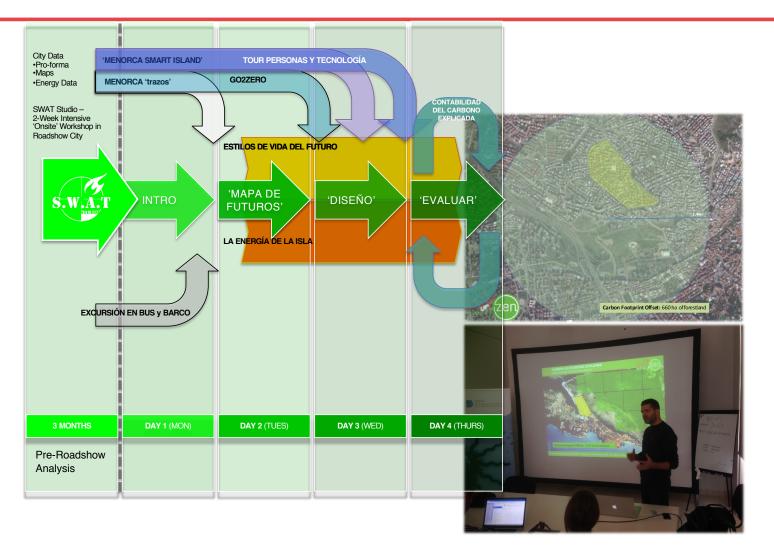
És en el marc d'aquesta estratègia, i en concret de la línia "Mobilitat i Energia", que les es d'Innovació i Reserva de Biosfera treballen conjuntament per tal de dissenyar projectes tuacions conjunts envers l'impacte ambiental, la pressió humana, la mobilitat i accessibilitat i l'eficiència energètica com a principals aspectes transversals d'interès.

DÍA 3: 'DISEÑO' – TOUR PERSONAS Y TECNOLOGÍA

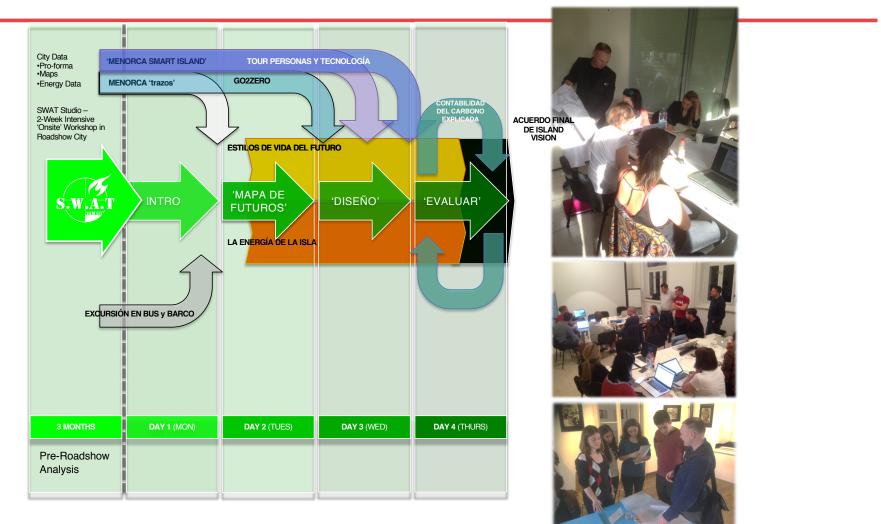


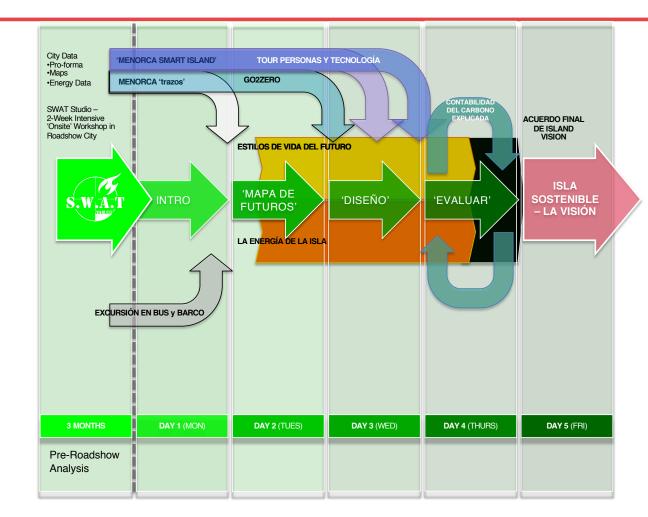
DÍA 4: 'EVALUAR' - CONTABILIDAD DEL CARBONO EXPLICADA

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DÍA 4: 'EVALUAR' - ACUERDO FINAL DE ISLAND VISION





DÍA 5: 'VIE' - ISLA SOSTENIBLE – LA VISIÓN

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DÍA 5: 'VIE' - ISLA SOSTENIBLE – LA VISIÓN



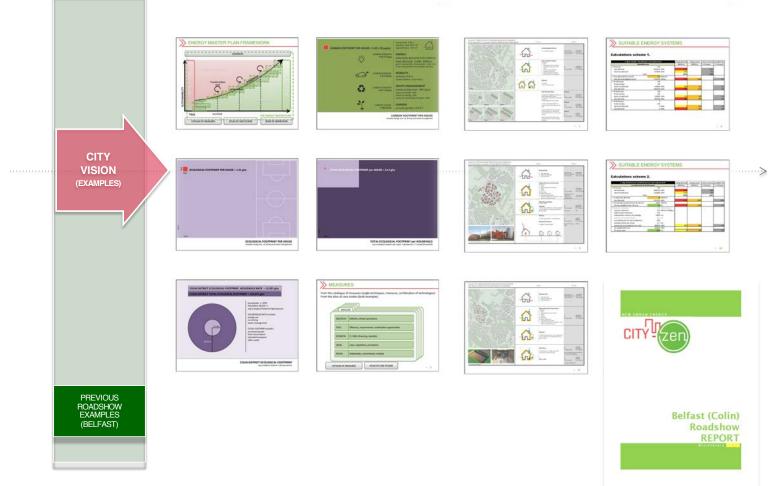
'SUSTAINABLE ISLAND VISION' - WHAT TO EXPECT?



\gg 'CITY VISION' - EXAMPLES 3/21, 3/21/16 THE COLIN SUSTAINABLE VISION THE COLIN SUSTAINABLE VISION THE COLIN SUSTAINABLE VISION 10 2 E ST COLMS SCHOOL: WHEN CHIER & Their Heigh THE 9 'LAWS' OF COLIN: weds' (Warkshop 1 1 3E_ 美育 1 1 1.1.1 (m *) And the second Street 14 T.S. entimies 1 aris 200 CITY THE COLIN SUSTAINABLE VISION THE COLIN SUSTAINABLE VISION THE COLIN SUSTAINABLE VISION THE COLIN SUSTAINABLE VISION 26 VISION (EXAMPLES) THE COLIN SUSTAINABLE VISION Transa Cline & Their Neighbourhood' (Workshop 1) SECTION PROPOSAL THE COLIN SUSTAINABLE VISION RE times & Their B CITY I BARS I ANNA ANNA I I EXAMPLES Belfast (Colin) Roadshow REPORT

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'CITY VISION' - EXAMPLES



POST-ROADSHOW OUTCOMES Impactful Academic, Technical & Societal Outcomes. Renewed collaborations & working • processes. A 'Sustainable Island Vision' owned by your Island and you! A potential springboard for European funding in *Horizon2020 e.g.* SC3 Decarbonising energy systems of geographical Islands.

Challenges? 13:15 – 13:30

- Social challenge. Personality.
- Trust, commitment. Short time frame.
- Communication. Specialist to non-specialist & vice versa...
- Flexibility. Diverse noninstitutional groups, ages, volunteers, interests & availabilities.





Presented by Prof. Dr. Craig Lee Martin (TU Delft) City-zen Roadshow Leader email: C.L.Martin@tudelft.nl

22 | MENORCA • Es Diari | Sárado, 11 de marzo de 2017 **Challenges?** 13:15 – 13:30

El Maó més autosuficient Too radical!? Fantasy? ue la ciutat sigui més sostenible

 Reaching the majority. Not preaching to the converted minority.



Els alumnes hi propo

sen un canvi d'aspecte radical, per

igui molt més diàfan i pensat per al pas at no s'elimina però si que queda totalaprofitant el canvi d'ubicació del trànsi Banda, proposen fer un centre wellness a Marítima amb restaurant, spa exterior elevada connectant amb les escales que . Tot el projecte contempla la implantació i el reaprofitament, per exemple, de les ai la central tèrmica.

111. El parc perdria les barreres que el deli-

se al barri i convertir-se en un autèn-

les de l'avinguda Vives Llull fins

me del poliesportiu. L'es-

ouedaria molt reduït i

torn amb els camin

ses Rodees). Els edifici

solars

tindrien plaques



Mira Menor Otro estilo de vida para cero emisiones

- Ex Diari MAI

Tras Amsterdam, Belfast, Esmirna y Dubrovnik, el seminario de la UE City-Zen debatirá durante esta semana en la isla para reducir el consumo energético

rrnes 28 de abril con el obje pesitamos adoptar cambio

on 25 años de exp de la energía y su impacto en e diseño de la forma construida y e usedo de la forma construida y e ispacio urbano, en el taller que leva por título «Estilos de vida del

CONTRADICCIÓN

De hecho, en su opinión, es u contradicción que una Isla que Reserva de Biosfera, como es Me norca, tenga tan solo un 3,2% o l nivel de producción de ene aido en la Isla al nivel is bajo de los últimos siete años Otro de los ponentes de la pr ra iornada, Craig L. Martin, doc r en Arquitectura en la Univer-dad Técnica de Delft, en los Palses Bajos, es el encanyado de divulgar nicar el trabajo y resulta--sta iniciativa académica.

Un juego interactivo para ver cómo se descarboniza la energía y economía

Desnués de una excursión en barco por el puerto de Maó y barco por el puerto de maio y una visita al faro de Favárito, el equipo de los ponentes se tras-lado ayer a la sede del IME para iniciar los diferentes talleres programados a lo largo de la sea. Así pues, en la primera jornada también se pudo escu char el otro taller, «La energia de a Isla», a cargo de Siebe Broers or del departa

Técnica de Delft, quien incidió en la necesidad de promover el cambio de modelo energético a escala insular con el objetivo de llegar a la autosuficiencia y sos ibilidad energética. El profe or Martin volvió a tomar la palabra por la tarde para explicar la experiencia del taller «Swat Maó Ciutat Sostenible 2017», realizado en marzo de este año cuando alumnos de la Universi

El puerto de Maó fue otra de las visitas de campo.

ca tiene notencial: «Tenéis sol, vien-

to no hay rascacielos que tapen

la luz solar y existe calidad de vida». Pero la Isla también tiene como

punto en contra su dependencia

son pere

de los combusitbles fósiles, «que

cederos». Para el profe-

sala se queda aquí, no hacemos

bien nuestro trabajo», explicó el también arquitecto. «De hecho,

buscamos animar a la ciudadanía

Desde su nunto de vista. Menor-

a que participe con sus aportacio-nes en este proyecto», añadió.

Eficiencia escasa. Segú urgencia del ca





sor Martin existe un nexo claro te financiado por la U entre la producción de energía renovable, la economía y el estilo pea y coordinado en la Isla por sstitut Menorqui d'Estudis (IME Después de pasar en 2016 por en colaboración con el Ayun miento de Maó y Colegio Ofic Amsterdam, Belfast, Esmirna y de Arquitectos de las Ille



Dubrownik, Menorca es el quinta

de vida.

ole Maó. El «Serious Gar 'Go2Zero'», un juego presenc interactivo para ver cómo se descarboniza la energia y la e nomia; un paseo por Maó para visualizar y entender in situ osibilidades de la sostenibi dad urbana; clases magist abiertas a todos los públicos p ra dar a conocer aspectos de l energia, una conf Colegio de Arquitectos sol

Presented by Prof. Dr. Craig Lee Martin (TU Delft) City-zen Roadshow Leader email: C.L.Martin@tudelft.nl

abiliten espais per passejar i amb

Així mateix, tant Cardona com Els estudiants han estat a Menorca durant dues setma-nes, temps durant el qual han arquitecte i professor britànic braig Lee Martin, remancaren que

per presentar els seus projectes adjudicat, per tal d'aplicar-hi les

millors mesures en matèria d'eficiència energètica i autos

Successes? 13:15 – 13:30

1A-DICHARON

M MADDODO

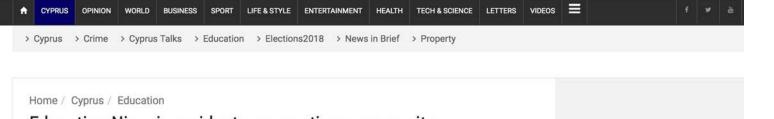
- Demonstrating Social benefit and what matters to people.
- Changing mind-sets (Visualising the challenge).
- Belfast. Deprived area. Roadshow in School.
- Dubrovnik. Contribution award.
- Menorca. Foundation for Menorca 2030 Strategy.
- **Roeselare.** 300 citizens reached in 5 days. Revisit next week.
- Amersfoort. Invited by apartment owners not municipality.
- **Research impact.** Co-creative methods / energy strategies.
- Educational impact. All levels.
- Nicosia. Bicommunal. Peace.

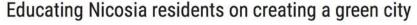
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Successes? Case Study Nicosia 13:15 – 13:30 CyprusMail Online

The Global Choice for our Island's News, Views and Information





MAY 21ST, 2019 🕥 ANNETTE CHRYSOSTOMOU 🖉 EDUCATION

Q 0 COMMENTS



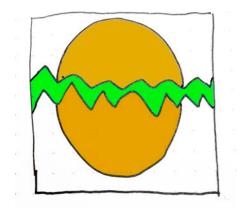
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Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Problems

Division

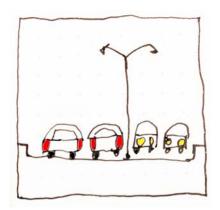
Not the biggest.....







Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Problems

Car usage

Bigger...

Heat island

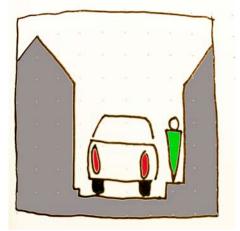
Climate change Sustainability







Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Problems

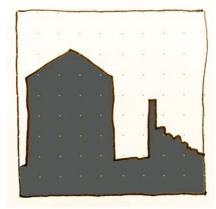
People unfriendly space

Car dominated...





Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Problems

Heritage at risk

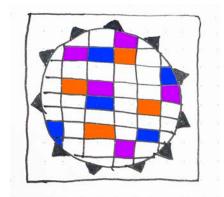
The possibilities are endless.....







Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Problems

No obvious centre public space in the city

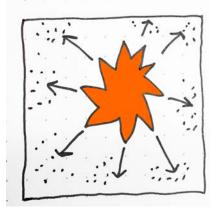


Problems compounded by

Suburban growth



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Problems

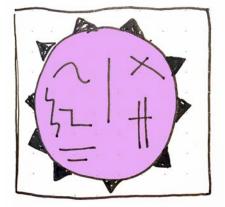
Suburban growth

No transport infrastructure

Car-based transit







Network issues

Change space Change behaviour Save lives

Save planet



Nicosia, Cyprus. May 2019

Urban Design

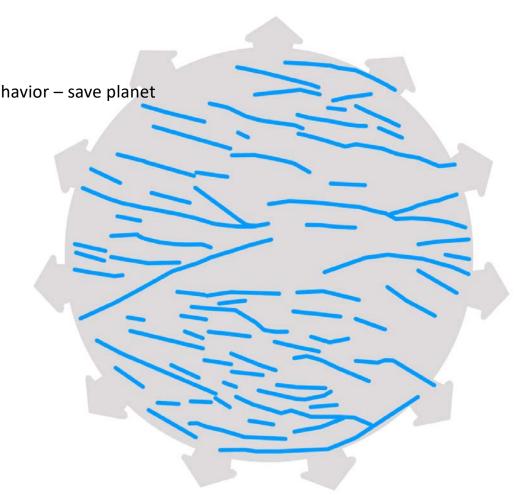
Urban design strategy: Prof Greg Keeff

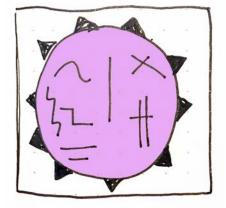
Key Premise

Change space – change behavior – save planet

Network issues

E-W





Network issues

Change space Change behaviour

Save lives

Save planet



Nicosia, Cyprus. May 2019

Urban design strategy: Prof Greg Keef

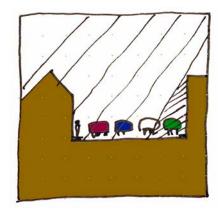
Key issues

Change space – change behavior – save planet

Get people out of the car.... 2000 deaths a year from circulatory problems....



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Get people out of the car

Change space

Change behaviour

Save lives

Save planet

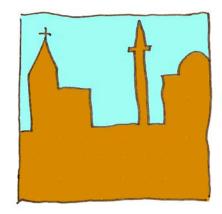


History to heritage

How do we unlock resilience and keep all histories.....



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



History to heritage

History

History

History

People



The Challenge

Invent something that you will actually do !

Affordable

Time-bound

Methodological and Emergent

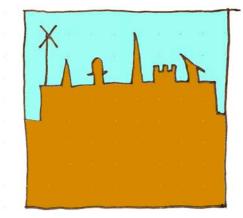
Politically acceptable

Understandable by all

Yet.....

Radical – because it's an emergency!!

Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



The Challenge

Community buy-in

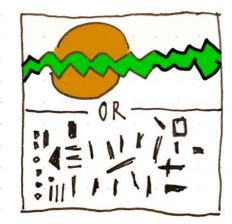
But radical change



Greenzone







Green zone analysis

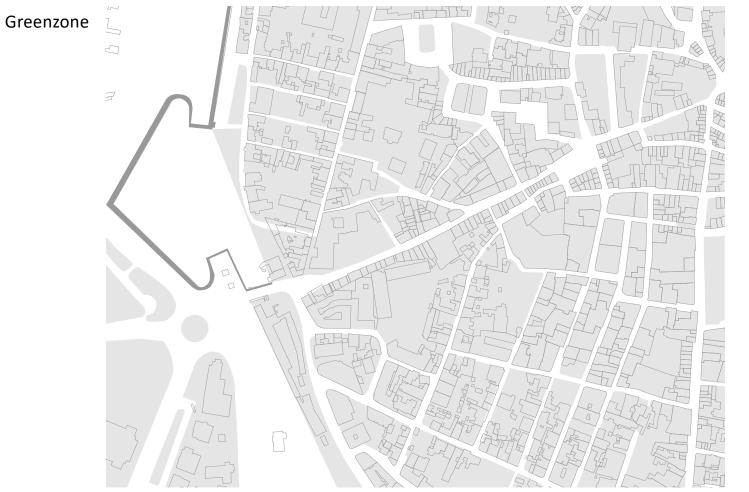
Green zone

Geographically immense

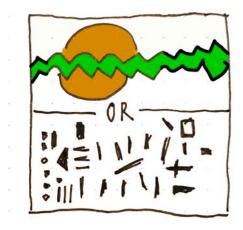
Spatially invisible







Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Green zone analysis

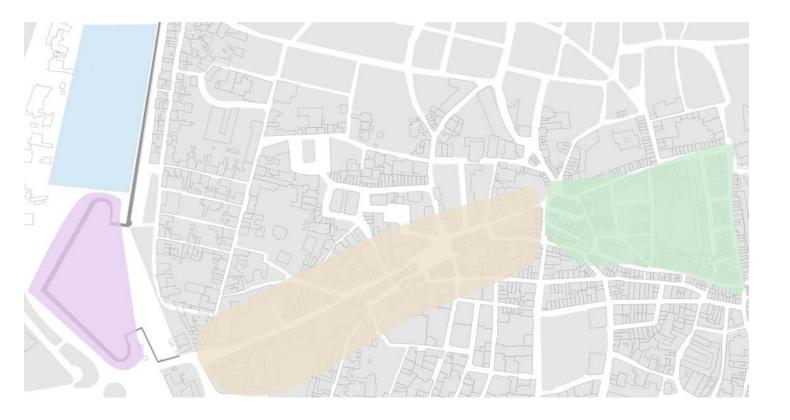
Green zone

Geographically immense

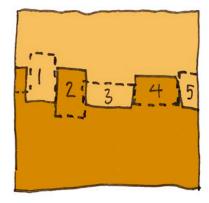
Spatially invisible



Zoning the Greenzone



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Peacemeal Green-zone

Green zone

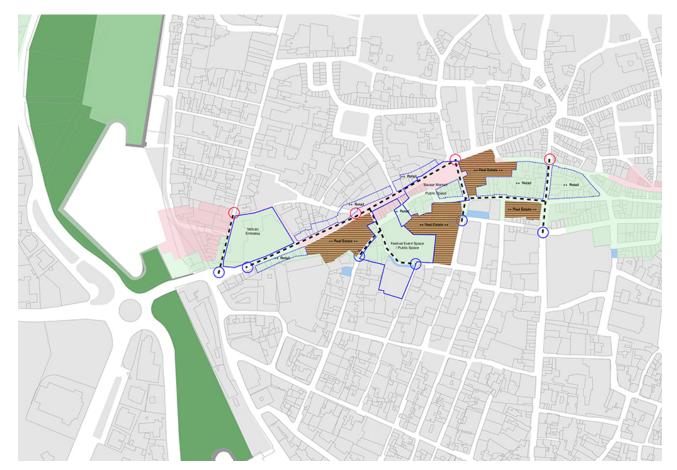
Too complex to remove wholly

So do in bits.....

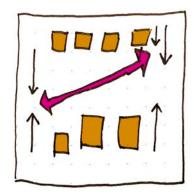
Benefit each side



Create a centre. Green Line changes



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



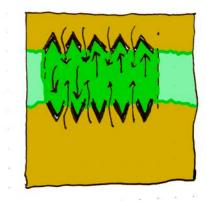
Create a shared Centre

New centre One new gate Neutral space Co-developed



Create a centre. Green Line changes. Airline pass





Create a centre

Airport pass

All cypriots

Tourists pay in advance

One side or both side clearance



Nicosia, Cyprus. May 2019

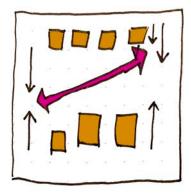
Urban desig

Create a centre. Green Line changes

From



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



The Bazaar

New centre One new gate Neutral space Co-developed

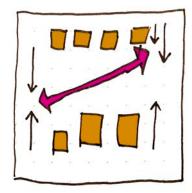


Create a centre. Green Line changes

То



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



New centre One new gate Neutral space Co-developed

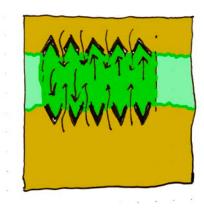
The Bazaar



Green line moves Central zone. Ledra Street westwards.



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Green line detail

Check-in to zone

Airport gate... register in advance

Seamless check in and out

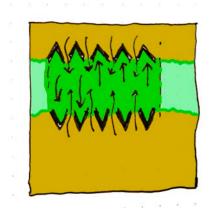


Nicosia, Cyprus. May 2019

Green line moves Central zone. Ledra Street westwards.



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Green line detail

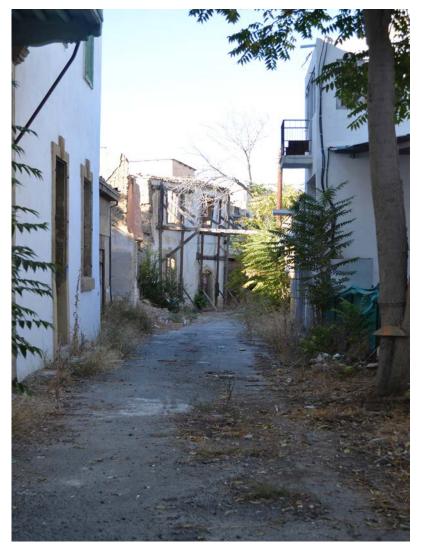
Check-in to zone

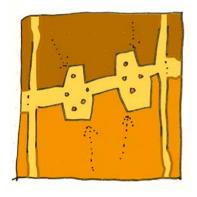
Airport gate... register in advance

Seamless check in and out



Green line moves New streets, New square.





New shared centre

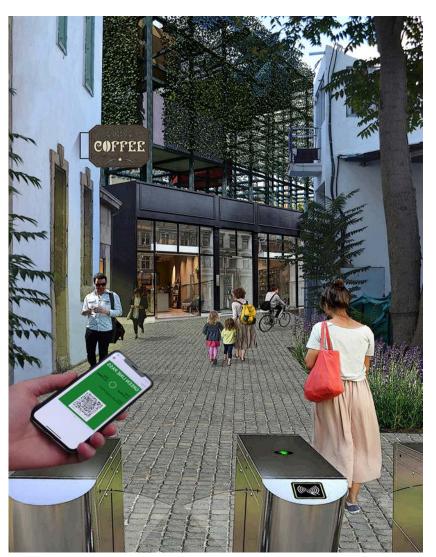
New streets Shared heritage

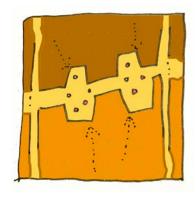


Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.

Green line moves

New street





New shared centre

New streets

Global/Local infrastructure



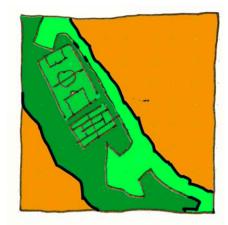
Nicosia, Cyprus. May 2019

Green line moves

New Sports place.



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



New shared centre

Shared sports in between the bastions....

Click in/Click out

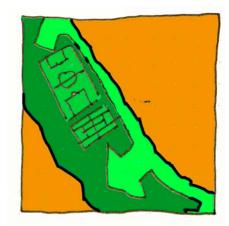


Green line moves

New Sports place.



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



New shared centre

Shared sports in between the bastions....

Click in/click out

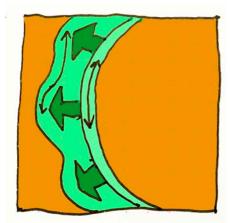


Nicosia, Cyprus. May 2019

The Green ring.....



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



New green park

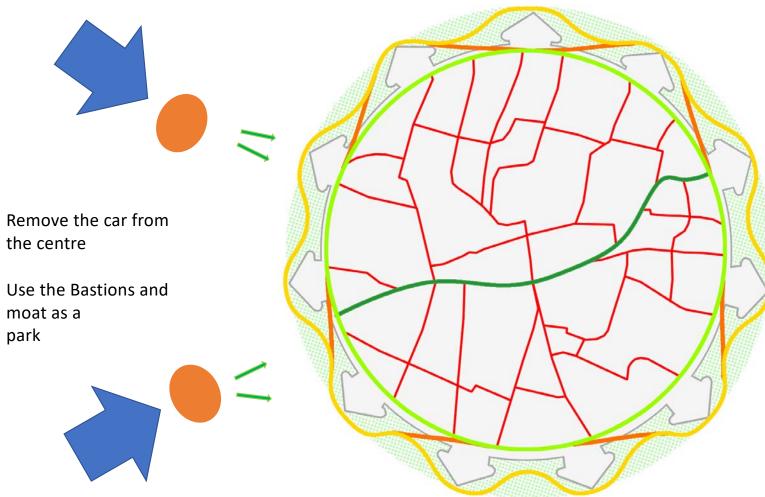
Sports

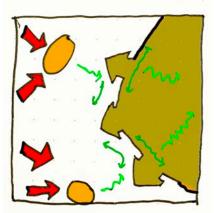
Cycle routes

Tree nursery

Climate protection







Car removal reduced intensity Everyone exercises Shaded routes Lower temperatures

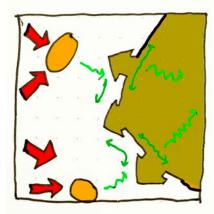


Nicosia, Cyprus. May 2019

Car removal Park and Ride (a bike) or walk



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



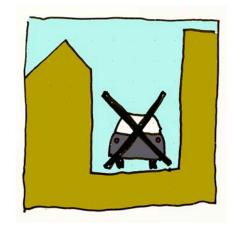
Car removal reduced intensity Everyone exercises Shaded routes Lower temperatures



Car removal inside the ring



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Car removal

Inner city changes

People first

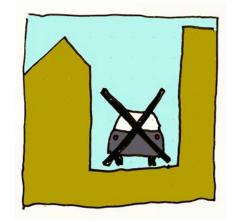
Green infrastructure



Car removal inside the ring Creates people space



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Car removal

Inner city changes

People first

Green infrastructure

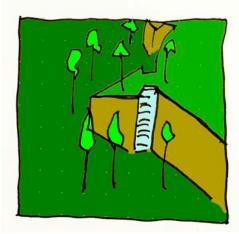


Nicosia, Cyprus. May 2019

The Bastion park



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



The Bastion Park

Increased green

New infrastructure

Energy/mobility/social

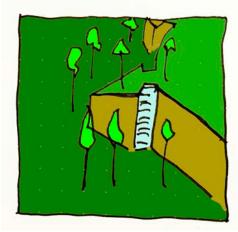
Tourist/heritage enabling



The Bastion park



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



The Bastion Park

Increased green

New infrastructure

Energy/mobility/social

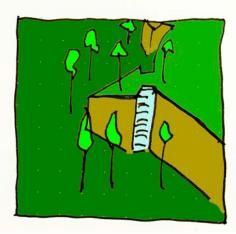
Tourist/heritage enabling



The Bastion Park



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



The Bastions

Increased green

New infrastructure

Energy/mobility/social

Tourist/heritage enabling

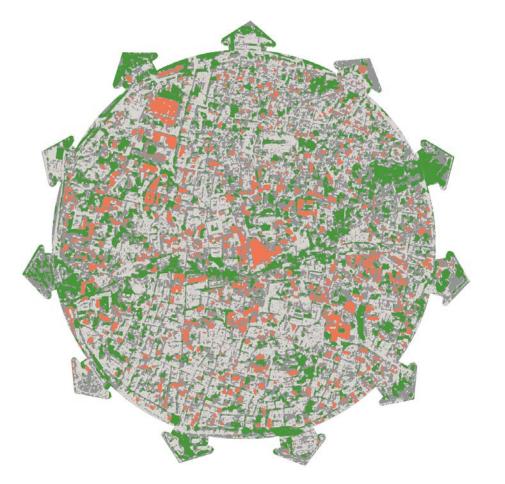


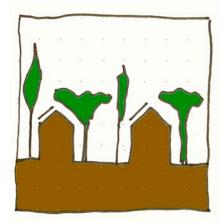


City as forest

Hide the city in a forest

Hide a forest in the city.....





City as forest

Increased intensity

Community services

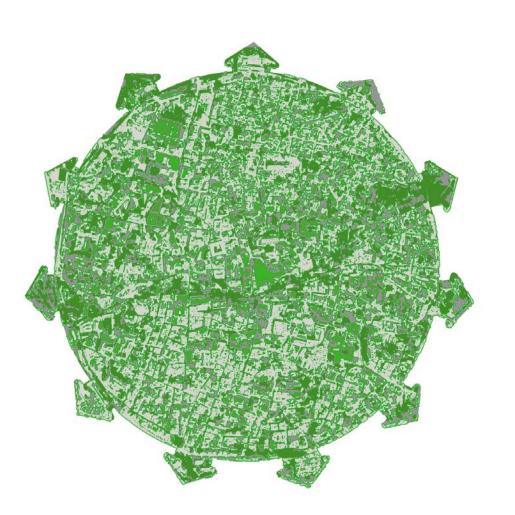
Increased density

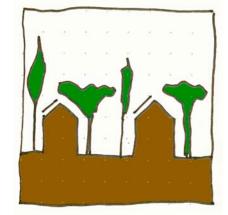
Reason to visit



Nicosia, Cyprus. May 2019

Green the city





City as forest

Increased intensity

Community services

Increased density

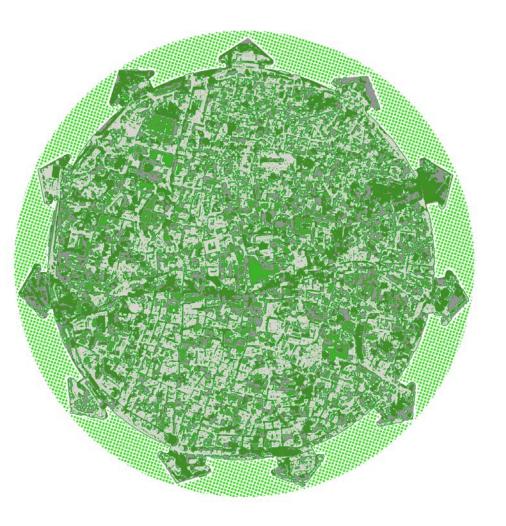
Reason to visit



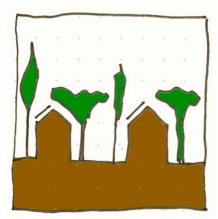
Nicosia, Cyprus. May 2019



Green the Bastions



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



City as forest

Increased intensity

Community services

Increased density

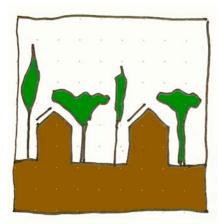
Reason to visit



City as forest

Hide the city in a forest – Hide a forest in the city.....





City as forest

Increased intensity

Community services

Increased density

Reason to visit



Nicosia, Cyprus. May 2019

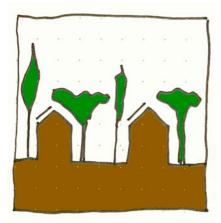
City as forest

Hide the city in a forest –

Hide a forest in the city.....

Greywater facades





City as forest

Increased intensity

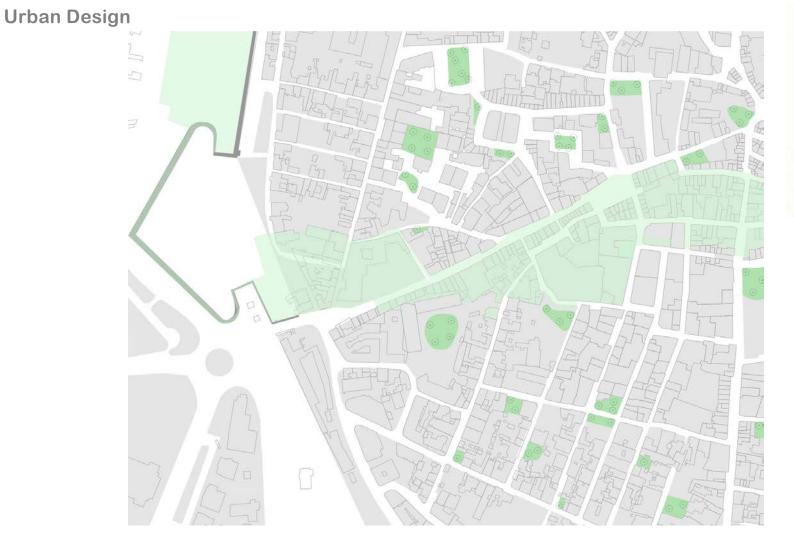
Community services

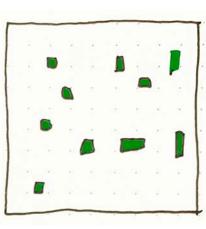
Increased density

Reason to visit



Nicosia, Cyprus. May 2019





Pocket parks

Re-purpose carparks.

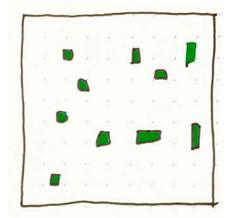
New 100m infrastructure that reduces heat island effect



Nicosia, Cyprus. May 2019



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Pocket parks

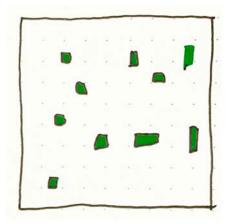
Re-purpose carparks.

New 100m infrastructure that reduces heat island effect





Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



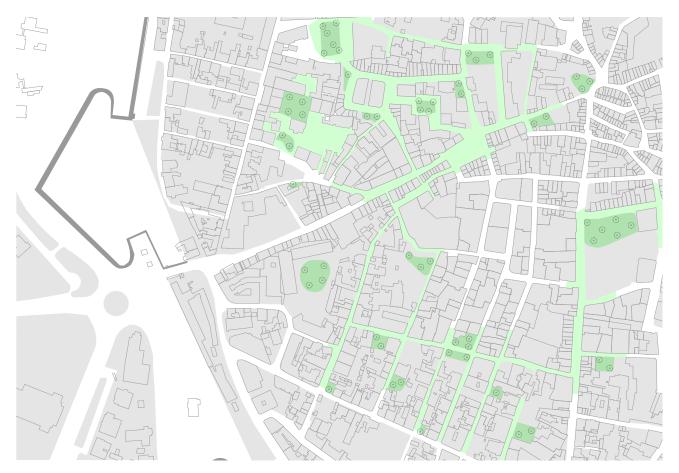
Pocket parks

Re-purpose carparks.

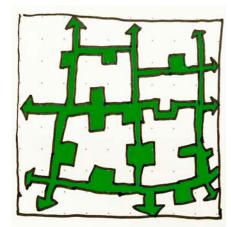
New 100m infrastructure that reduces heat island effect



Green network



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Green Network

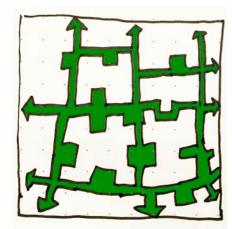
Connect inner-city Pocket parks.

Make shaded network of places to walk





Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



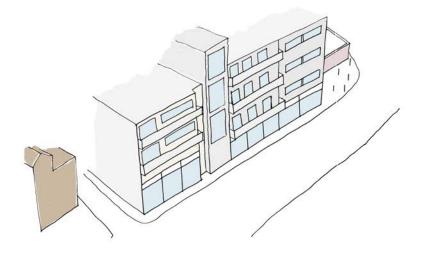
Green Network

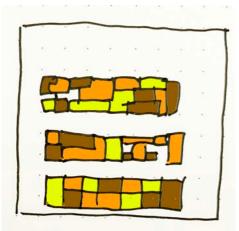
Connect inner-city Pocket parks.

Make shaded network of places to walk



Densification - south





Densification

Increased density

Increased intensity

More shade

Better community services

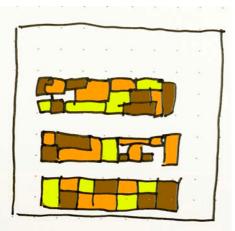


Nicosia, Cyprus. May 2019

Densification + greening



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Densification

Increased density

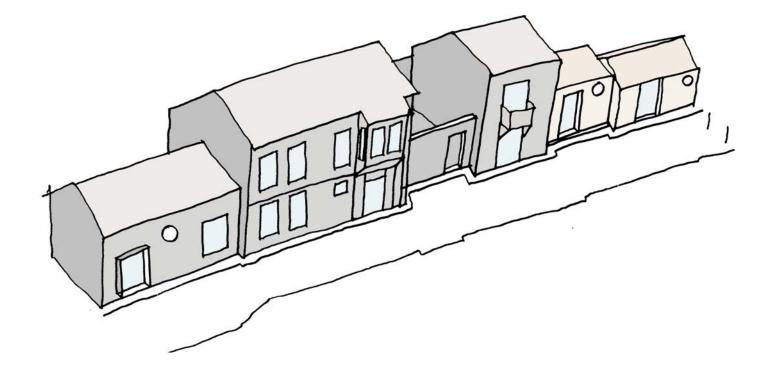
Increased intensity

More shade

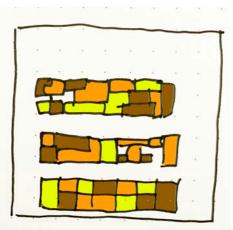
Better community services



Densification North



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Densification

Increased density

Increased intensity

More shade

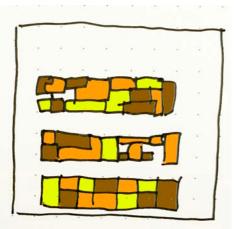
Better community services



Densification and greening



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Densification

Increased density

Increased intensity

More shade

Better community services







Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Re-invent the street

Reclaim territory from the car

New community

Increased intensity





Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Re-invent the street

Reclaim territory from the car

New community

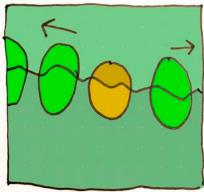
Increased intensity



Climate sequestration... grow the forest in the city and plant it out.....



Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Climate sequestration

World issue

Do your share

1.2 million trees per year for a century

100 cities.....





Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.

Mustafa Ozan

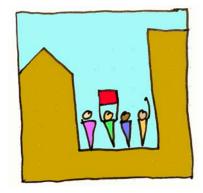
"Hi, I'm Mustafa,

I lived and worked within the walls of Nicosia all my life and run my own business creating hand crafted belts, and bags. The new co-community bazaar in the Green zone, has allowed me to connect better with more customers and especially tourists.

Since pedestrianisation and the electric car share facility I have found the city to be much safer for my children, I too feel so much healthier, and happier and I've found that I have met many new people and made new friends, as I no longer confine myself to my car.

The new car share at the city walls has allowed me to use different vehicles when I need them. I can now get a van when I need to collect materials and a campervan for the family trips at the weekend

I was sceptical at first but I feel the changes in the city have really improved my quality of life."



Pen picture 1

Keep it local



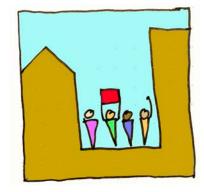
Helen Papoulis

"I'm 10 years old and now that it's safer to walk my mum let's my brother and I walk to school. After school me and my friends would go and play on the swings in the park. It's very fun! My brother likes to play football with his friends there as well. It seems everyone is at the park!

We even have events in the old chariot race area and loads of people gather to watch!

It's like we are back in time celebrating sports."

Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.



Pen picture 2

376

Kids deserve a better future



<u>Ela Sari</u>

"Hello, my name is Ela,

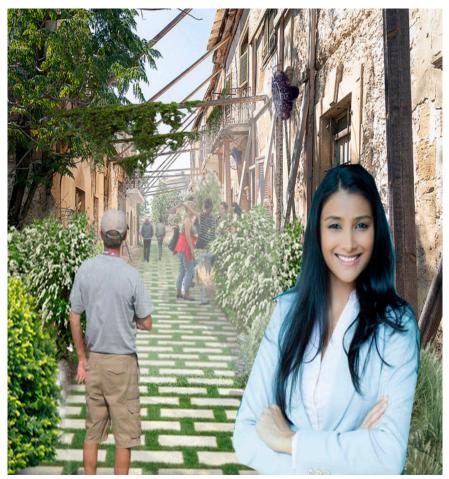
My family home is in the suburbs of Nicosia. I spend much of my time within the walls of the city as my children go to school there and I work as an architect in the walls.

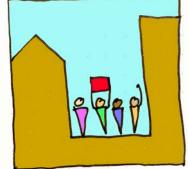
I can take the kids after School to the Park. There's more wildlife within the city walls now, and the city air also seems to be easier to breath and cleaner.

My new P.V. panels on my roof have drastically decreased are energy bills making it possible for us to now afford more meals out, and the ability to go do activities with the kids means a less stressful life. I feel the changes to Nicosia have really made mine and my children's lives better.

I now cycle to work every day from outside the walls using the bike share and really enjoy it. We are now considering, when the kids are older ,moving into the walled city to get more out of the new streets and parks."

Urban design strategy: Prof Greg Keeffe, Queens University, Belfast.

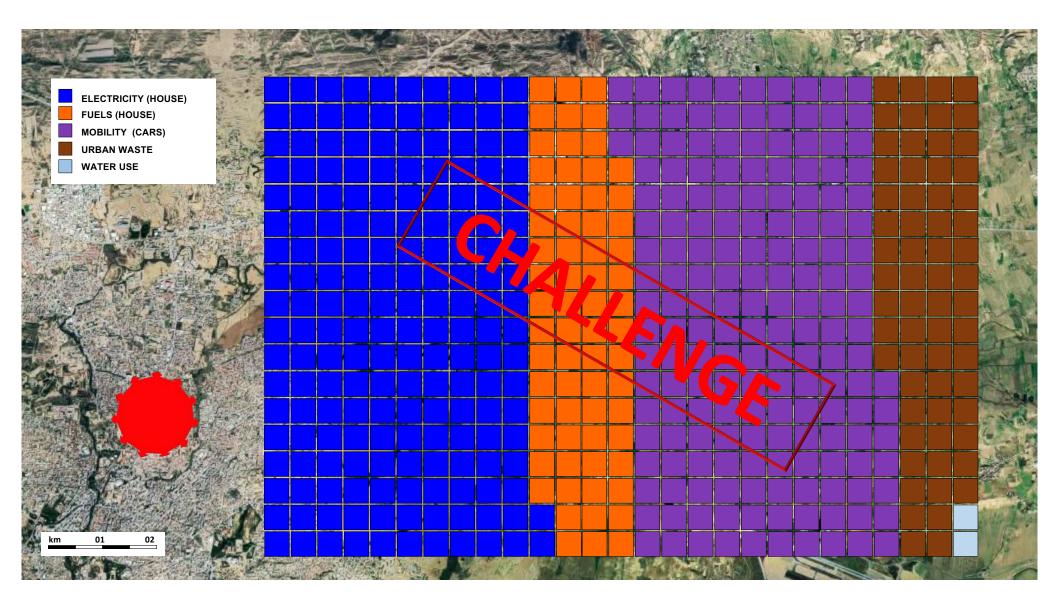


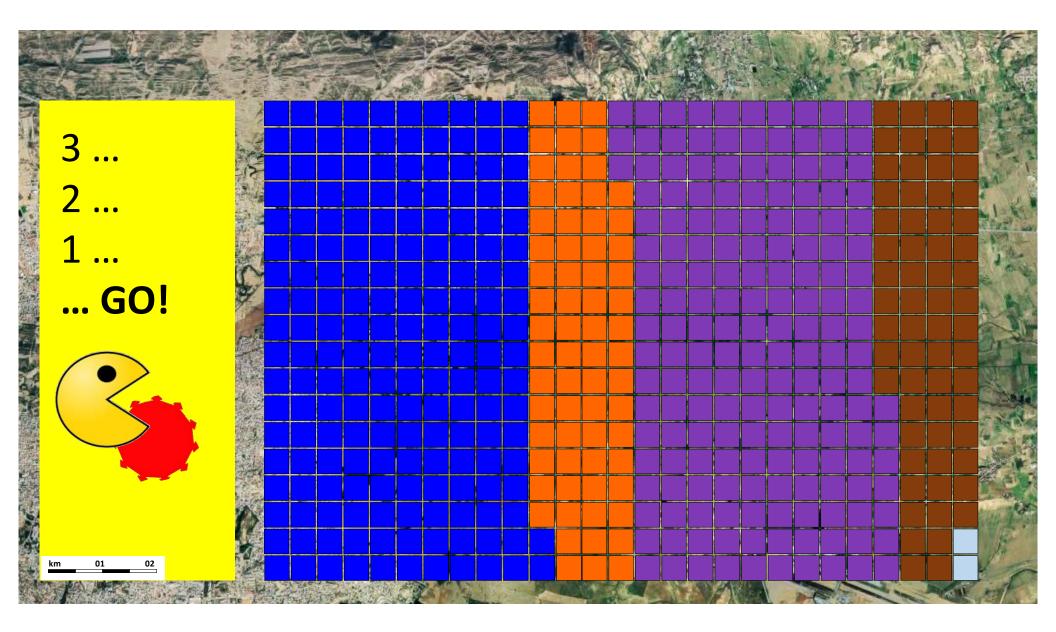


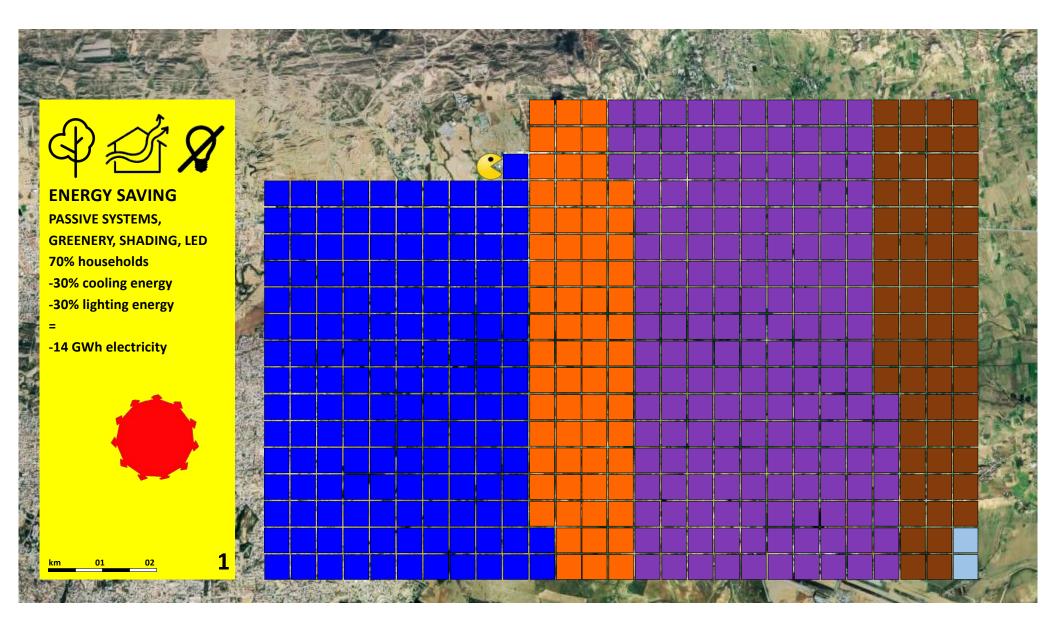
Pen picture 3

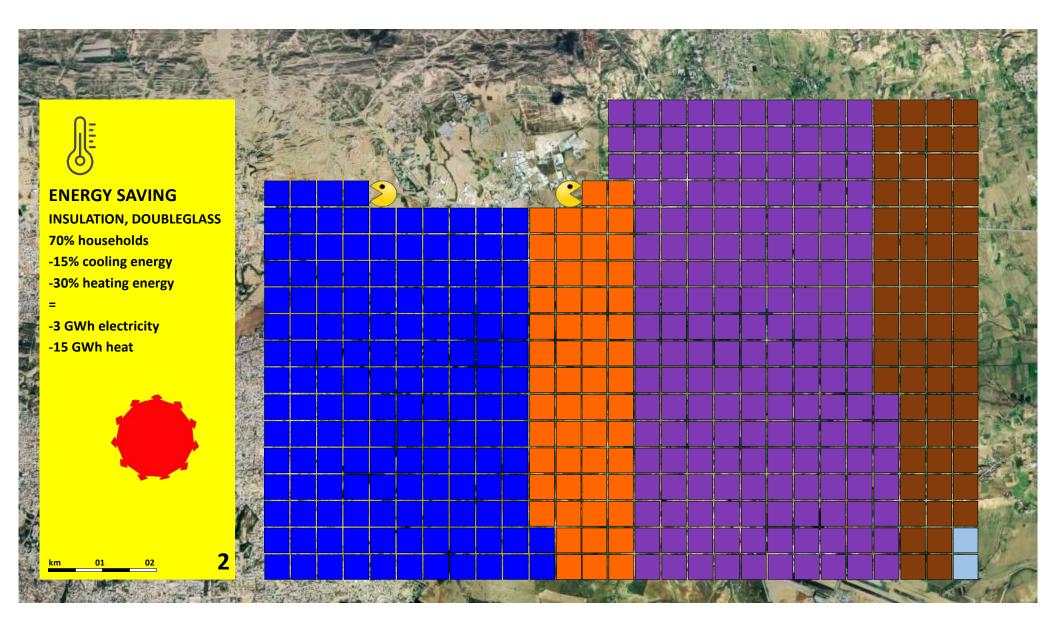
Help the commuter

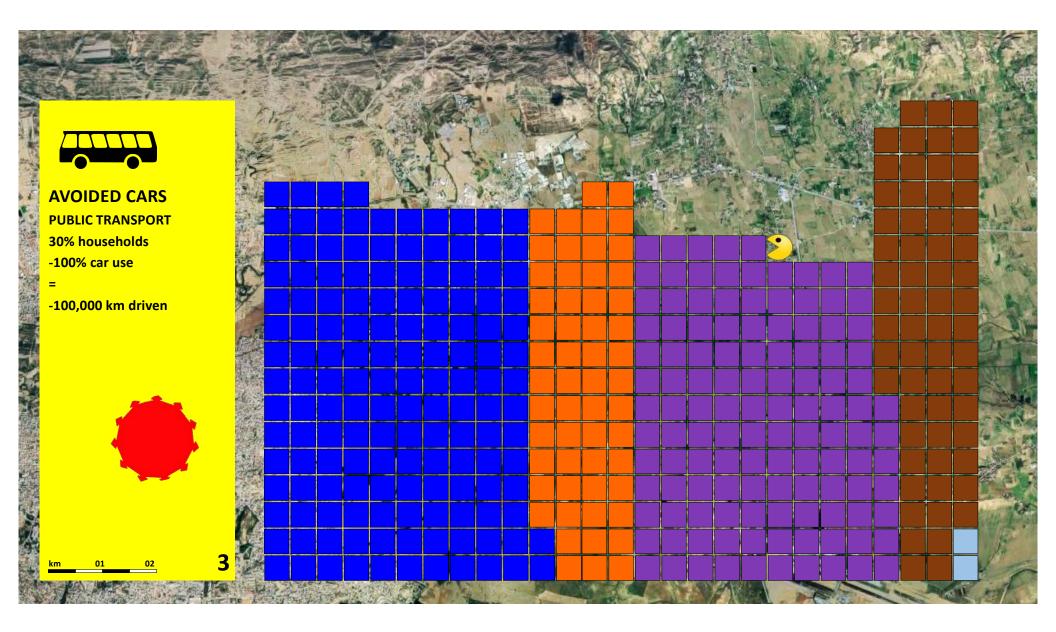


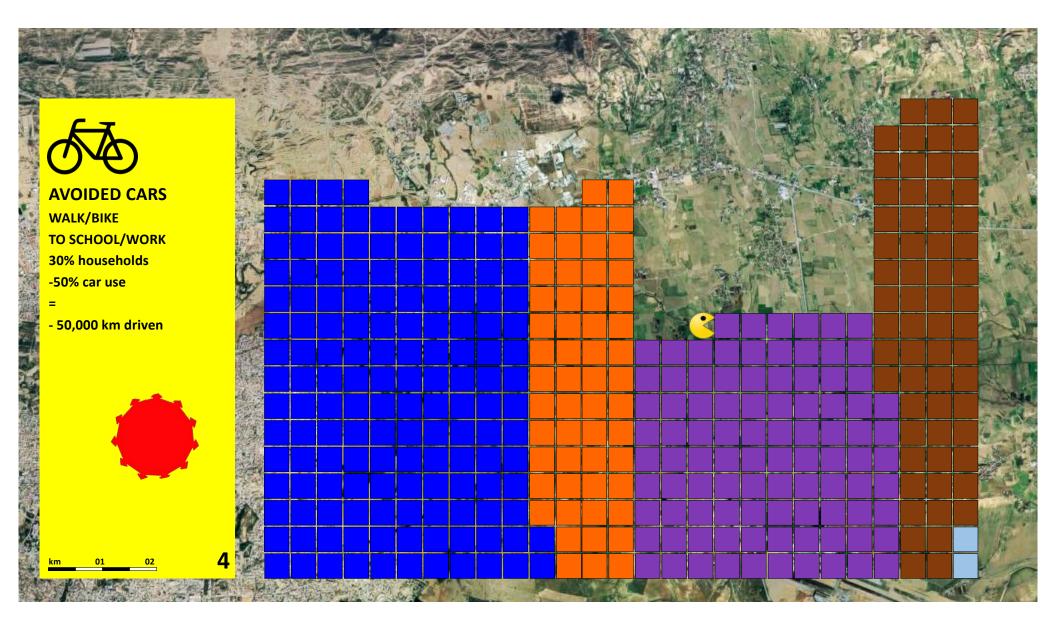


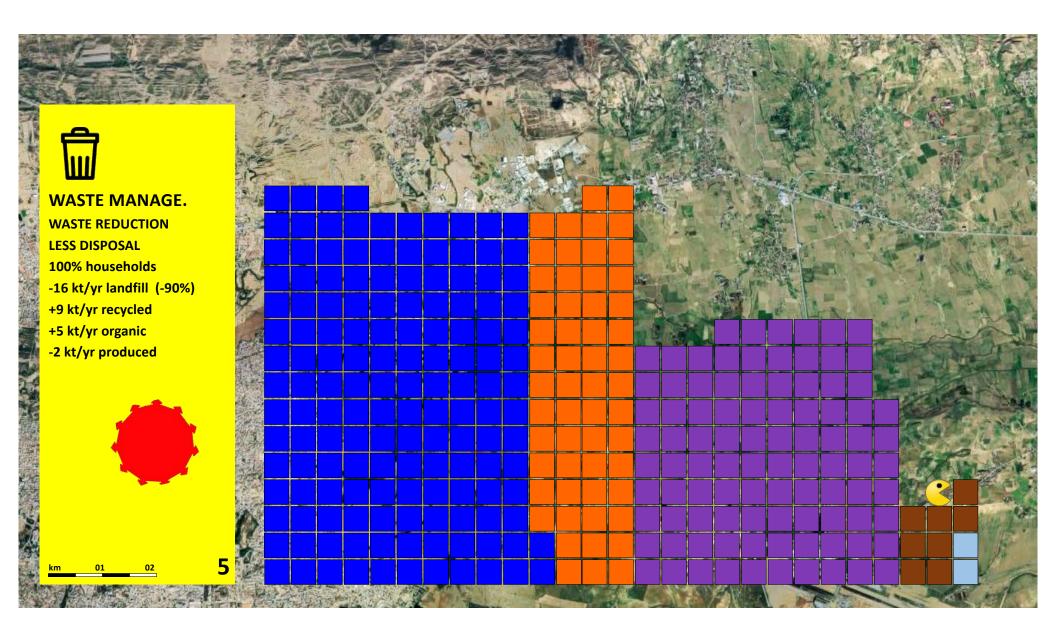


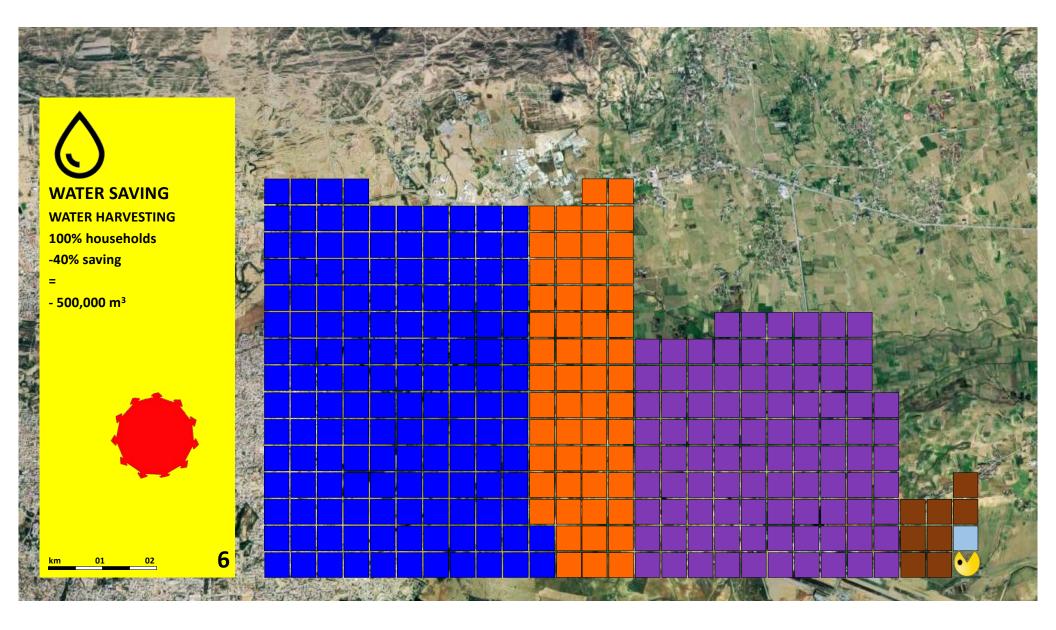


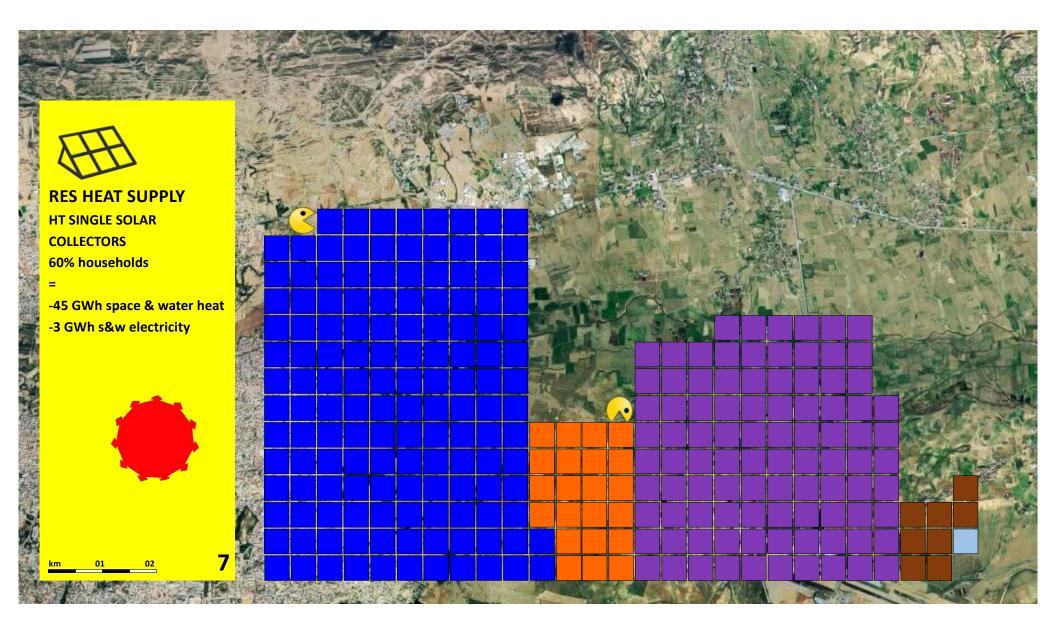


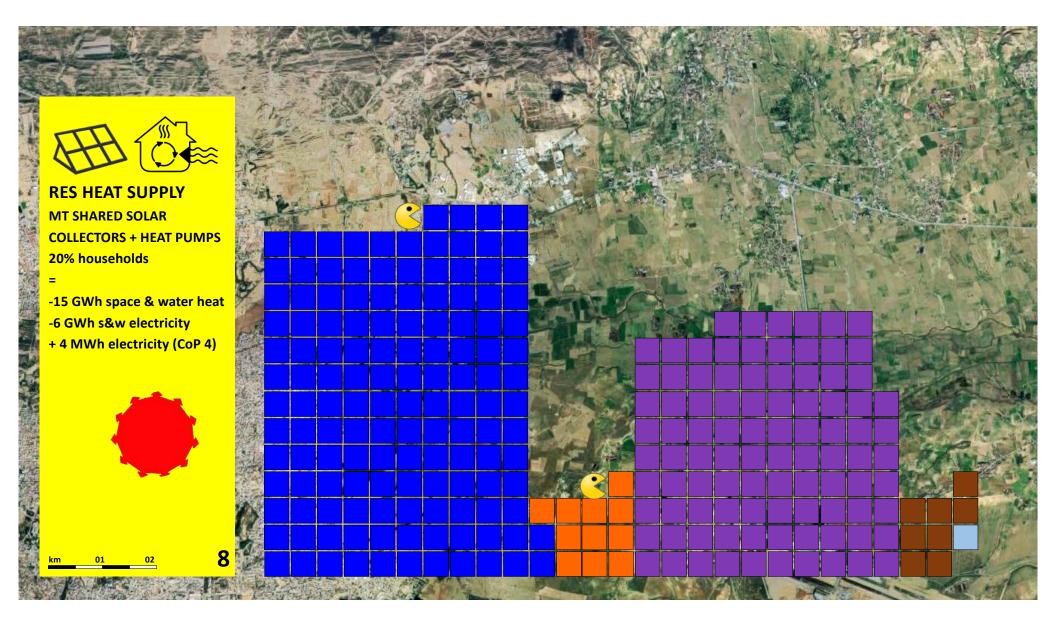


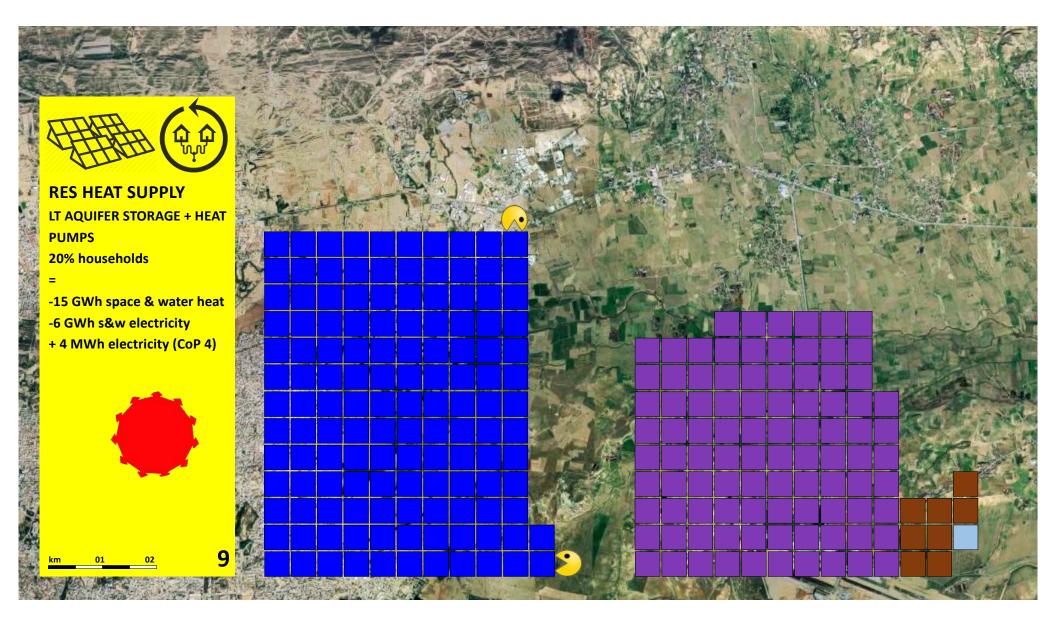










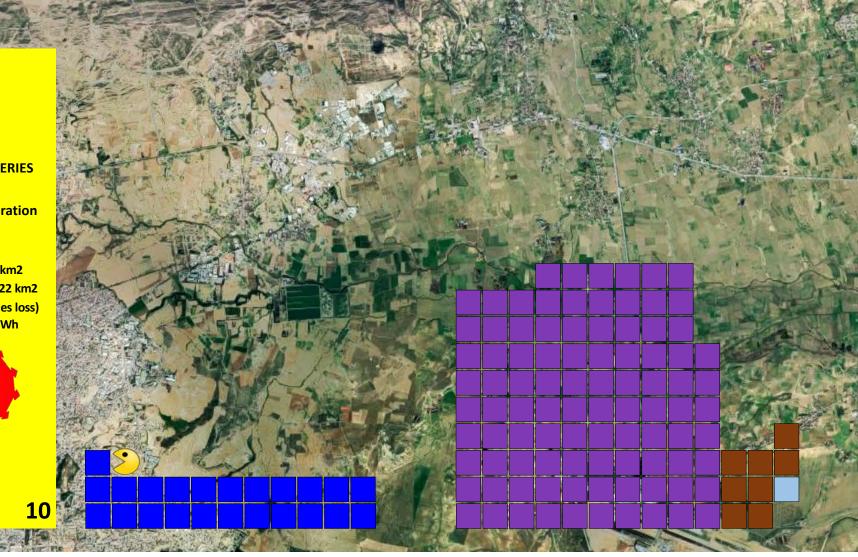


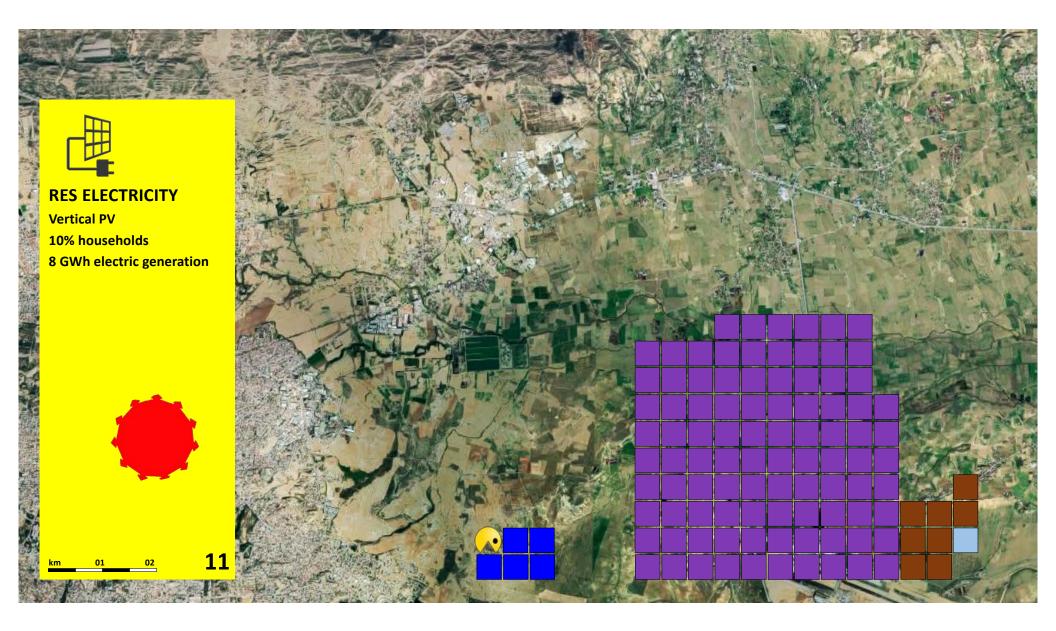


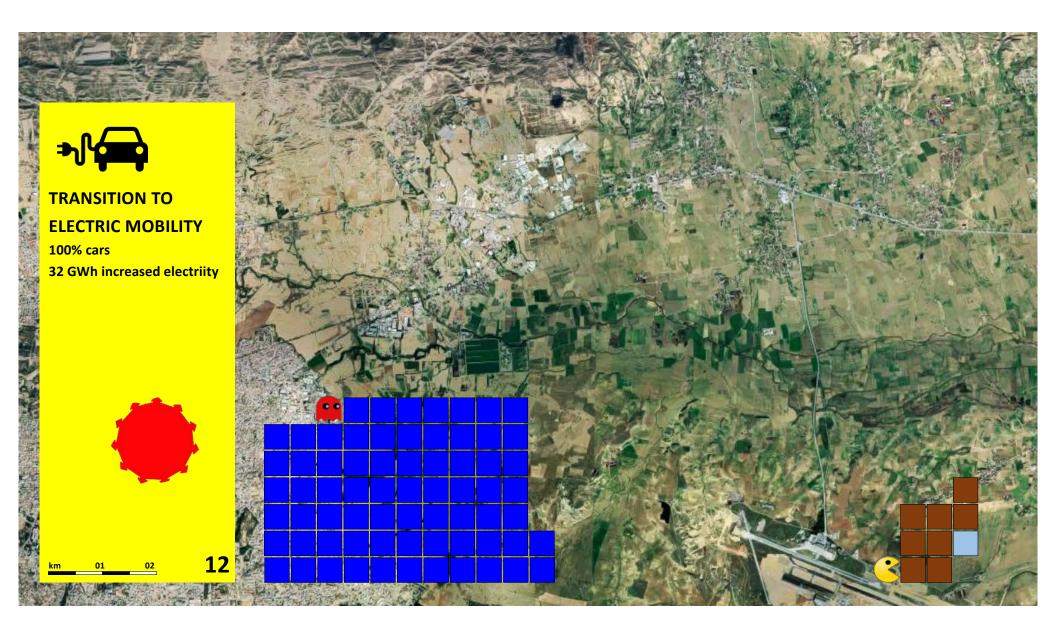
and the

RES ELECTRICITY PV ON ROOFS + BATTERIES 60% households 52 GWh electric generation (174,000 m2) Area ring = 1.54 km2 Total roof surface = 0.88 km2 Available ¼ PV roofs = 0.22 km2 Avg 300 kWh/m2 (includes loss) Total PV potential = 66 GWh

01









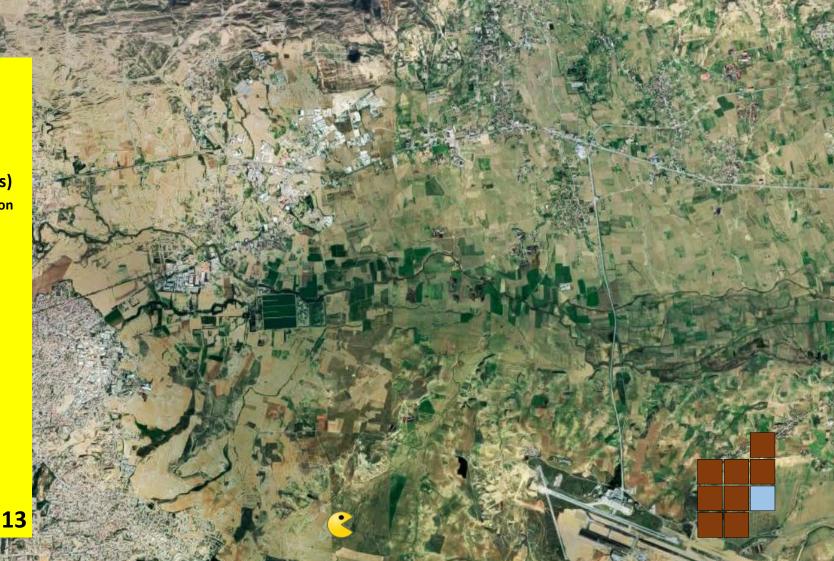
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RES ELECTRICITY Shared PV (canopies) 32 GWh electric generation (107,000 m2) e.g. 14 GWh on roofs 18 GWh on canopies







Where next? 13:30 – 13:45

Alphen Amersfoort Amsterdam

Region

Sport

ROADSHOV

Apeldoorn

Show

Arnher

News

- Amersfoort SWAT September 2019 (Done!). 4 Sites, 21 Masters students, 2-weeks.
- Amersfoort Roadshow **October 2019...**



Almelo

A In the foreground Craig Martin (I) and Jo Pleters (r) with the group of TU Delft students. © Nico Brons

Major research into energy-neutral neighborhoods in Amersfoort

Presented by Prof. Dr. Craig Lee Martin TU Delft / UCLan) email: C.L.Martin@tudelft.nl <u>City-zen Roadshow Leader</u>

Where next? 13:30-13:45

- Amersfoort SWAT September 2019 (Done!). 4 Sites, 21 Masters students, 2-weeks.
- Amersfoort Roadshow October 2019...

Presented by Prof. Dr. Craig Lee Martin (TU Delft / UCLan) City-zen Roadshow Leader email: C.L.Martin@tudelft.nl



Where next? 13:30-13:45





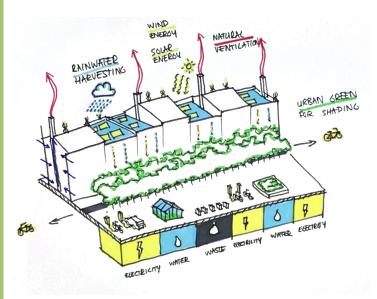
Presented by Prof. Dr. Craig Lee Martin (TU Delft / UCLan) City-zen Roadshow Leader email: C.L.Martin@tudelft.nl



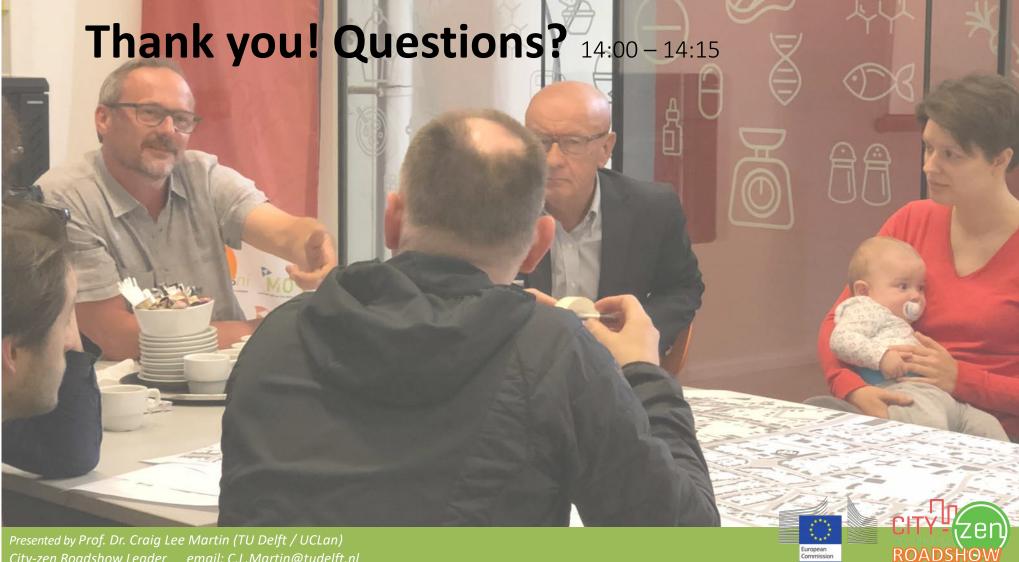
What next? 13:45 - 14:00

- ECONOMIC SPECIALIST. Cost?! What is cost of not realising them? In live time with Carbon, design decisions.
- **COMMUNICATION SPECIALIST.** Even greater reach and understanding.
- VISUALISATION SPECIALIST.
- **SOCIETAL IMPACT. VITAL!** Continue to support communities in their decision making by showing social, lifestyle and economic benefit.

Presented by Prof. Dr. Craig Lee Martin (TU Delft / UCLan) City-zen Roadshow Leader email: C.L.Martin@tudelft.nl







City-zen Roadshow Leader email: C.L.Martin@tudelft.nl

Contact: Prof. Dr. Craig Lee Martin email: C.L.Martin@tudelft.nl



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