

Report on results of DesignLab 3



DELIVERABLE 1.6

Report on results of DesignLab 3

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2.0	30/10/2019	Andrew B. Wootton & Caroline L. Davey	Formatting and minor edits
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1 Introduction

DesignLab 3 on Crime Prevention through Urban Design & Planning (CP-UDP) was held in Salford on 25 September 2019. The Cutting Crime Impact (CCI) Consortium attended and participated in the DesignLab (see Agenda, Appendix A). The DesignLab was designed and facilitated by the team from the University of Salford. Working with LOBA, and with evaluative feedback from DSP, EFUS and DPTI, a detailed protocol for running a 3 – 4 hour DesignLab was developed and trialled, along with supporting materials, and results recording procedures (D1.3).

The aim of the DesignLab was to support problem framing around the requirements capture and contextual data related to the Prevention, Investigation and Mitigating (PIM) toolkit on CP-UDP. The DesignLab sessions were designed to guide the Consortium through a structured innovation and concept generation process, including initial feasibility testing of toolkit ideas.

The purpose of the DesignLab was to ensure that development of the CP-UDP PIM Toolkit was evidence-based and end-user led, maximising acceptance and successful implementation. The method balances a concern for understanding current or past practices with a concern for envisioning alternative or future practices.



2 DesignLab within the CCI design development process

The DesignLab fulfils the function of analysis and synthesis of gathered requirements in a collaborative manner. In the overall process of CCI, the DesignLab falls within the "Define" phase and bridges the project work into the "Develop" phase, where the solutions that will form the toolkits are developed (see figure 1).

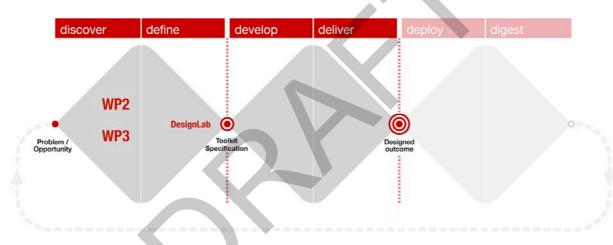


Figure 1. DesignLab within the CCI design development process

The DesignLabs resulted in a number of concepts that gave rise to "solution directions". These directions were then discussed between USAL and the LEA partner and developed into a Toolkit Specification. The Toolkit specification defined the purpose, users, content and function of the proposed toolkit.

CCI method: What is a DesignLab?

The CCI DesignLab is a three-hour workshop to generate ideas based on an understanding of the LEA context and issues / problems that was designed by USAL specifically for CCI. Concentrating on a CCI focus area, each DesignLab helped generate ideas /solution concepts relevant to two LEAs—who acted as the 'client' in the design process.



Rules of engagement to support creativity are communicated to participants (e.g. responding "Yes, and...", rather than "Yes, but..." when discussing each other's' ideas) and a warm-up activity used to demonstrate such principles and create the right mind-set.

The DesignLab is structured into five stages — each involving practical activities:

- Stage one to enable DesignLab participants to understand the requirements capture research conducted by the LEA, the two LEA 'clients' give a short presentation of their context and issues/ problems—ending with 6 "Problem Statements" (In What Ways Might We...?)
- Stage two explores the Problem Statements identified by the LEA clients using a technique called Abstract Laddering. This is a way of reconsidering the problem statements by broadening their focus (considering "why?") or narrowing their focus (considering "how?"). The method was adapted from the Luma Institute.
- Stage three supports design solution ideation. For each Problem Statement, participants are given a short amount of time to describe and/or sketch an idea that addresses the problem.
- Stage four supports participants in concept design development, prototyping and design communication. Participants work in teams to develop two ideas chosen from the Ideation and Concept Generation session into design concepts or prototypes. These concepts are captured on Design Concept Sheets.
- Stage five supports evaluation of the developed design concepts. Each concept is explained in a short presentation— 'pitch'—to all DesignLab participants. Following these pitches, participants vote for their first and second favourite ideas. The results of the voting are collated and fed back to the client LEAs to support decision-making on concepts to take forward for PIM Toolkit development.

Source: CCI D1.3 DesignLab Protocol



3 Results & Analysis DesignLab 3

The results of DesignLab 3 on CP-UDP are presented for each stage of the DesignLab process described above. The 'client' LEAs were:

- Greater Manchester Police GMP
- Estonian Police and Border Guard PJP

The results and analysis outlined in this public document provide insight into the process for generating design concepts and directions. It should be noted that the results of the requirements capture work is presented in confidential reports—D6.2 and D6.3 LEA context and requirements. Confidentially enabled LEA partners to share within the CCI consortium details about problems / issues.





4 LEA results — GMP

To enable DesignLab participants to understand the requirements capture research conducted by the LEA, the two LEA 'clients' gave a short presentation of their context and issues/ problems—ending with 6 "Problem Statements" (In What Ways Might We...?).

4.1 GMP presentation

A summary of the problem statements for GMP's research on CP-UDP is provided in the box below.

Summary: GMP context & requirements for CP-UDP

GMP identified six problem statements for the DesignLab, stated using the form "In what ways might we...(IWWMW)":

- In what ways might we... embed evaluation within the CIS process?
- In what ways might we...evidence value of Design for Security to GMP?
- *In what ways might we...* enable DfS to better communicate to planners and architects the CIS process, requirements and value?
- In what ways might we... enable the speedy delivery of late-requested CIS documents?
- In what ways might we... make developers more likely to implement DfS advice?
- *In what ways might we...* enable DfS consultants to develop and improve their professional practice?

Source: Full report available in D6.2 LEA context and requirements for GMP (confidential report)

4.2 Abstract Laddering – GMP

The Problem Statements identified by the LEA clients were explored in the DesignLab using a technique called Abstract Laddering. This is a way of reconsidering the problem statements by broadening their focus (considering "why?") or narrowing their focus (considering "how?"). The teams were allowed to generate further problem statements if they felt that this would help broaden their thinking or improve idea generation.



4.3 Idea generation

To support design solution ideation, participants were given a short amount of time to describe and/or sketch an idea that addresses each problem. USAL critically reviewed the ideas.

4.4 Design concepts

The design concepts produced by each team were presented to all DesignLab attendees. Design presentation sheets (A2 sized) were produced to communicate the overall concept; how it functioned; user interaction storyboard; and any technical features (see Appendix B). The concept was then verbally explained to DesignLab participants in the form of an 'elevator pitch' or short presentation. Presenters were allotted 2 minutes for their pitch, after which the audience were able to ask questions about the proposed design concept.

DesignLab 3 generated, developed and presented the following four Design Concepts relevant to GMP's requirements and context.

Design pitch 1	
Team name	Lima
Problem statement	In what ways might we enable DfS to better communicate to planners and architects the CIS process, requirements and value?
Concept name	A brilliant Evaluation Scheme!
Concept overview	This involves a survey being sent to stakeholders involved in development projects in Greater Manchester, in which the design was expected to take account of recommendations from Design for Security (DfS), GMP. The survey will ask for information about a) recommendations implemented; and b) recommendations not implemented. The two groups (those that complied and those that did not comply) are investigated by a Design for Security Analysis to identify the impact of DfS advice. Monitoring occurs over a 2-year period and the results used to demonstrate DfS impact.



Design pitch 2	Design pitch 2	
Team name	Lima	
Problem statement	In what ways might we enable DfS to better communicate to planners and architects the CIS process, requirements and value?	
Concept name	DfS Daily	
Concept overview	This is a magazine for DfS stakeholders (planners, architects, developers) informing them of: current projects; the benefits of following DfS recommendations; the costs of not following DfS recommendations; as well as providing DfS Consultant contact details; news and interesting articles. The DfS Daily would be communicated via email, websites, at events, etc. It would provide evidence of DfS impact, as well help create a community of users.	

Design pitch 3	
Team name	Mike
Problem statement	In what ways might we enable the speedy delivery of late-requested CIS documents? In what ways might we enable DfS to better communicate to planners and architects the CIS process, requirements and value?
Concept name	Planning for Security – Guidelines and brochure
Concept overview	Brochure that outlines the perspectives of key stakeholders, as well as highlights the benefits of DfS from the perspective of different stakeholders: planners; architects; developers; city authorities; citizens / community. The brochure is coproduced with key stakeholders coming together, producing a mock-up and prototyping it. The guidelines provide a step-by-step guide for integrating the CIS into the design and development process. The outputs would be disseminated widely. The process and outputs: encourage early application for CIS; highlights the benefits of DfS; and engages key stakeholders.



Design pitch 4	
Team name	Mike
Problem statement	In what ways might we make developers more likely to implement DfS advice?
Concept name	U – Planning for Security
Concept overview	This is a module to be delivered as part of continuing professional development (CDP) and university courses. It includes a train-the-trainer course. The aim being to improve awareness of the DfS process, CIS, etc.

4.5 Post DesignLab review — Identification of potential Concept Direction(s)

All the ideas from DesignLab 3 and the results of the 'Abstraction Laddering' exercise were analysed by USAL, resulting in the identification of one to four Concept Directions for each LEA. The Concepts Directions were reviewed by the LEA and one selected to develop, prototype and demonstrate. The results are presented for GMP and then PJP.

4.6 Concept Directions – GMP

Three Concept Directions were identified for GMP. In a review meeting to discuss the Concept Directions, USAL and GMP critically reviewed the proposals (see box below) and one was selected to take forward for development, prototyping and demonstration. This was Concept 3: Integrated CIS evaluation process. The Concept Direction selected met GMP Design for Security priorities.

Concept directions: GMP CP-UDP Tool

Concept 1

Title: Engagement strategy

The concept would involve the research and development of an integrated engagement strategy designed to meet the needs of a number of different stakeholder groups.

Problem statements



It addresses a range of problem statements:

In What Ways Might We... Engage with stakeholders key to the effective delivery of the CIS; Demonstrate the value of Design for Security / the CIS to stakeholders within and without GMP.

Concept 2

Title: Increased engagement of DfS with wider policing (including crime reduction initiatives)

To improve integration between DfS and wider policing. For example: (i) to more formally engage frontline officers (e.g. NBO; PCSO) in CIS production; or (ii) to better employ expertise within DfS to add value to other policing priorities, such as crime prevention initiatives

Problem statement

In What Ways Might We... better demonstrate the value of Design for Security to GMP

Issues to research

- How might NBOs / PCSOs (with their local intelligence) be formally engaged in CIS development?
- How might expertise in DfS be employed in other policing areas / priorities? Could this be charged for?

Concept 3

Title: Integrated CIS evaluation process

To develop an evaluation process that can be integrated into the process of CIS delivery. This should allow evaluation results to be generated periodically (e.g. six monthly or annually) demonstrating the impact of DfS (in terms of reduced policing demand and consequent cost savings) and performance over time.

Problem statement

In What Ways Might We... Demonstrate the value of the CIS process?

Issues to research

- What information to they collect / store in relation to each CIS job?
- Do DfS Assistants, when going through planning to check if recommendations on CIS
 have been implemented before approval, log whether requirements have been met or
 not? What detail is currently kept on application reviews?

Source: Concept Directions GMP – internal report, USAL



5 LEA Results – PJP results

5.1 PJP Presentation

A summary of problem statements for PJP's research on CP-UDP is provided in the box below.

Summary: PJP context & requirements for CP-UDP

PJP identified six problem statements for the DesignLab, stated using the form "In what ways might we...(IWWMW)":

- In what ways might we... create common language between stakeholders?
- In what ways might we... make all of the stakeholders to understand safety in the same way?
- *In what ways might we...* have an easy way to share available information between all of the stakeholders?
- In what ways might we... describe measurable safety indicators in the planning process?
- In what ways might we... build a crime prevention network?
- In what ways might we... include safety in the regular local and national planning process?

Source: Full report available in D6.3 LEA context and requirements for PJP (confidential report)

5.2 Abstract Laddering – PJP

The results of Abstract Laddering were summarised on sheets during the DesignLab, and critically reviewed outside the DesignLab by USAL.

5.3 Idea generation – PJP

To support design solution ideation, participants were given a short amount of time to describe and/or sketch an idea that addresses each problem. USAL critically reviewed the ideas:



5.4 Design concepts – PJP

DesignLab 3 generated and developed the following four Design Concepts relevant to PJP's requirements and context (see appendix B):

Design pitch 5	
Team name	Kilo
Problem statement	In what ways might wemake all of the stakeholders to understand safety in the same way?
Concept name	Safety Wiki
Concept overview	Wikipedia for safety. This is a tool for stakeholders to share information and knowledge about 'what works. The tool can be searched by stakeholders.

Design pitch 6	
Team name	Mike
Problem statement	In what ways might we make all of the stakeholders to understand safety in the same way?
Concept name	Security Alter Ego
Concept overview	This is a roleplay game with virtual elements for police officers, planners, architects, etc. A scenario is created based on real issues, and from it a virtual scenario developed for stakeholders to learn about safety and security issues together.

Design pitch 7	
Team name	Juliet



Problem statement	In what ways might we have an easy way to share available information between all of the stakeholders?
Concept name	Exploratory Walks
Concept overview	Exploratory walks around an urban area with police, architects, planners, etc. to identify what is working and what is not working from a safety perspective. The aim of such walks is to offer the opportunity for planners to gain a new perspective on the urban environment and safety.

Design pitch 8	
Team name	Mike
Problem statement	In what ways might we create common language between stakeholders?
Concept name	Working in Safety Together (WIST)
Concept overview	This is an outdoor training course for key stakeholders such as planners, architects, police, etc., to support creation of a common language.

5.5 Concept Directions – PJP

DesignLab 3 on CP-UDP produced four Concepts for solutions to the problem statements identified by the PJP. After reviewing the results, USAL identified and developed one Concept Direction. The decision taken by PJP to focus on Concept Direction 1: Police engagement in planning / decision making = a process. The Concept Direction was chosen because it supported PJP in engaging with planners and architects.

Concept directions: PJP CP-UDP Tool

Concept 1

Title: Police engagement in planning / decision making = a process



Concept

Developing a process for engaging police in the planning process—perhaps similar to the UK's Architectural Liaison Officer role. Might include a planner engagement event.

Concept 2

Title: Local / National Urban Security Partnership - Walking tours

Concept

Multidisciplinary tours — showing stakeholders what is good design and what is not. Walking around areas to talk about safety issues — looking at examples is good as part of a process / intervention for giving feedback on plans.

Concept 3

Title: Training for Planners

Concept

Training course for planners that perhaps builds on the CPTED manual developed for Estonia and the CP-UDP crime prevention capability maturity model.

Concept 4

Title: Develop a CP-UDP requirements law

Concept

Over the longer term, develop a law that makes crime prevention a requirement in urban design and planning.

Source: Concept Directions CML – internal report, USAL



6 Next steps and reflections

The Concept Directions—one for GMP and one for PJP—were developed into a Toolkit Specification that outlined the LEA tool (see Deliverables D6.6 and D6.7).





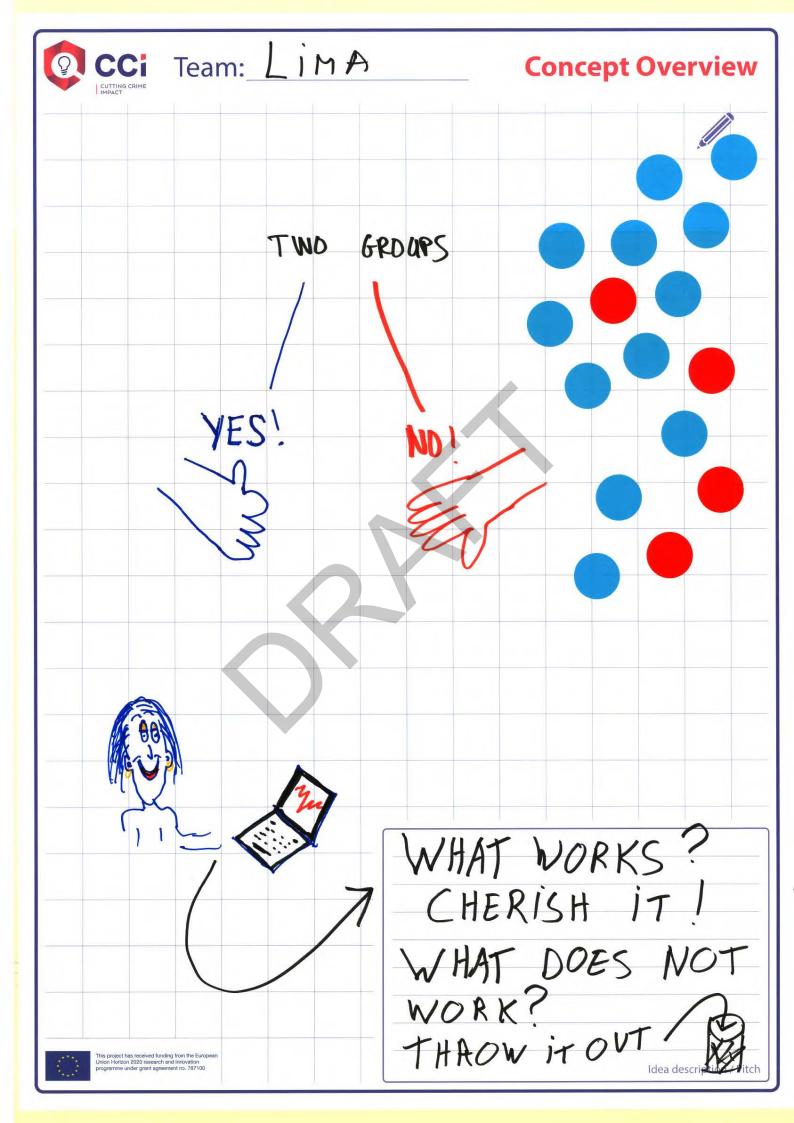
7 Appendices

A. DesignLab Agenda

Agenda for CCI DesignLab 3 – Wednesday 25 September 2019

14:00	LEA PRESENTATIONS X 2 – FOUR TEAMS, WITH TWO TEAMS ASSIGNED TO EACH LEA
14:30	ABSTRACTION LADDERING
15:00	DESIGN CONCEPT IDEAS
16:00	COFFEE BREAK
16:15	DESIGN CONCEPT DEVELOPMENT & COMMUNICATION
17:15	TEAM PRESENTATIONS
18:15	VOTING
18:45	DESIGNLAB CLOSE

B. Design Concept sheets



Design concept BRILLIANT EVALVATION SCHEME

What is it?

EVALUATION DESIGN FOR FEED BACK

TO SHOW OTHERS D&S is EFFECTIVE

What does it do?

COMPARE CRIME LEVELS WITH AND WITHOUT DIS FEATURE

DEMONSTRATE SUCCES OF DIS

How is it used?

(SURVEY) FROM PLANNERS ABOUT WHAT HAS RECCOMMENDATIONS AND WHAT HAS SEEN MPGMENTED AND WHAT NOT

- (2) WE 18ENTHY PROJECTS THAT IMPLEMENTED ' RECLOHENSATION! THAID OHN BLOHT ONA
- 3) WE MONITOR CRIME LEVELS IN

What change will it create?

PROVIDE DES WITH AN EVALUATION DESIGNANT PROCEDURE 1

COLLECT FEEDBACK AND IDENTIFY ISSUES

What is needed to enable the concept?

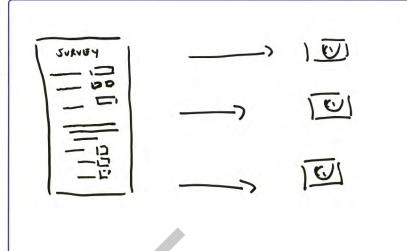
- · CRIME ANALYST
- . PLANNERS MONVAITED ENOUGH TO SUBMIT THE FEEDBACK SURVEY
- · A SURVEY DEVELOPER



cci Team: Lim A

Storyboard

TO ALL PROFESSIONALS 1800
ENVOLVED IN IMPLEMENTING
RECOMENDATIONS



Z GROUPS:

THE SURVEY WILL THE DES

RETURNED TO THE DES

TO EXELAIN WITH RECOMENT

DATIONS THEY IMPLEMENTED

AND WITH THE DIDN'T

CREATE 2 GROVIS:

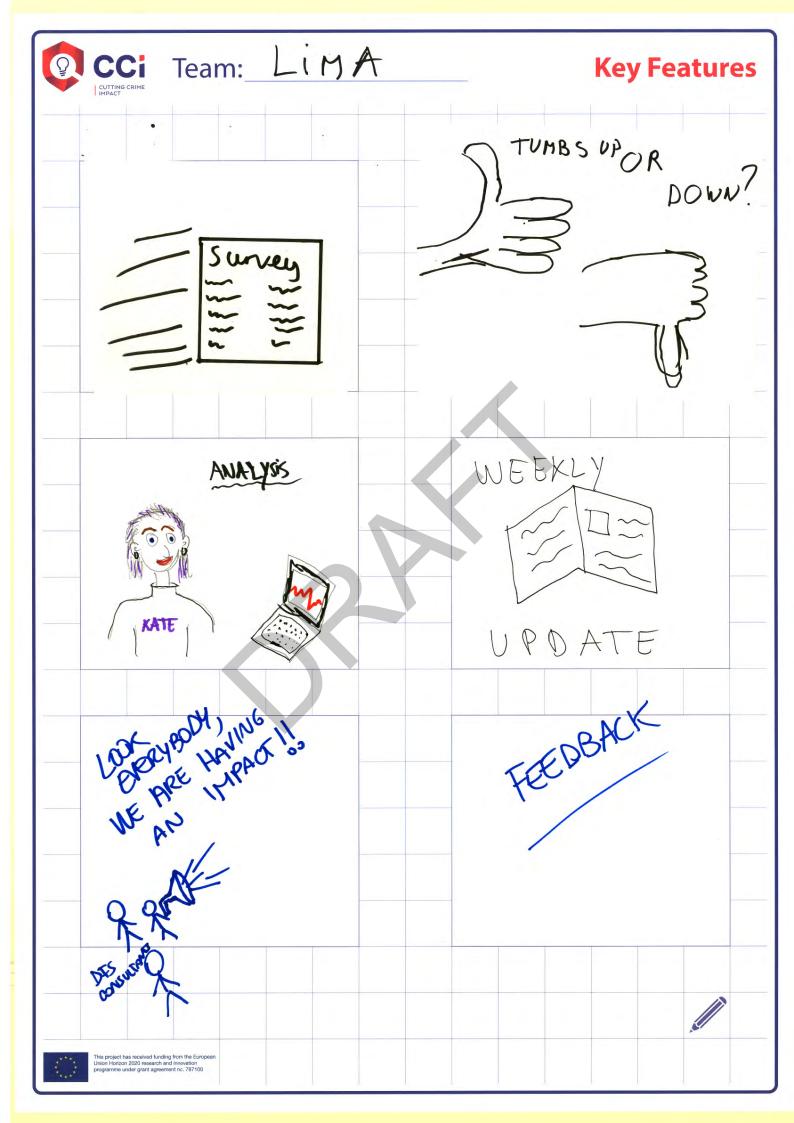
YES NO PRIANCE

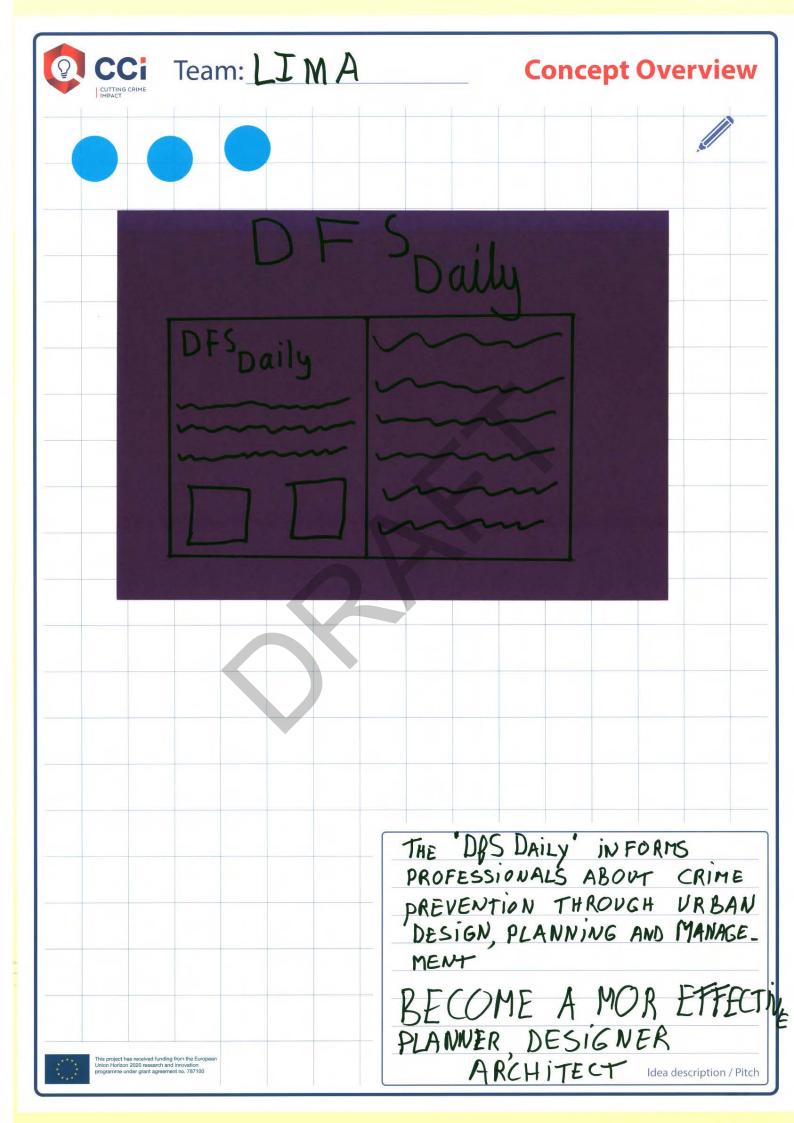
ONPHANCE

ONP

A URINE ANALYST BO MONITORS CRIME LEVELS FOR THE 2 GROUPS ONER A PERMOD OF TIME (1,2 yrs?)







Design concept name?

FS DAILY

What is it?

MAGAZINE FOR N

Who is it for? PROFES IDWALS PLANNERS, LOCAL AUTH., ARCHITECTS, CITY MANAGERS

What does it do?

- · INFORM ABOUT WHO ARE DER CONSULTANIZ
- PAS CURLENT PROJECTS
- POINT OF VIEW, WICKVIEWS
- SHOW EVIDENCE OF WHAT HAPPENS IF PLANNERS DO NOT FOLLOW THEIR ADVICE (MODINE) QUOTES (#14)
 - IMPRESONU STORIES

How is it used?

DISTRIBUTED AT EVENTS

CONFERENCES, SEMWARS, IN THE PLANNING FIELD

CALENT ME DISTRIBUTED

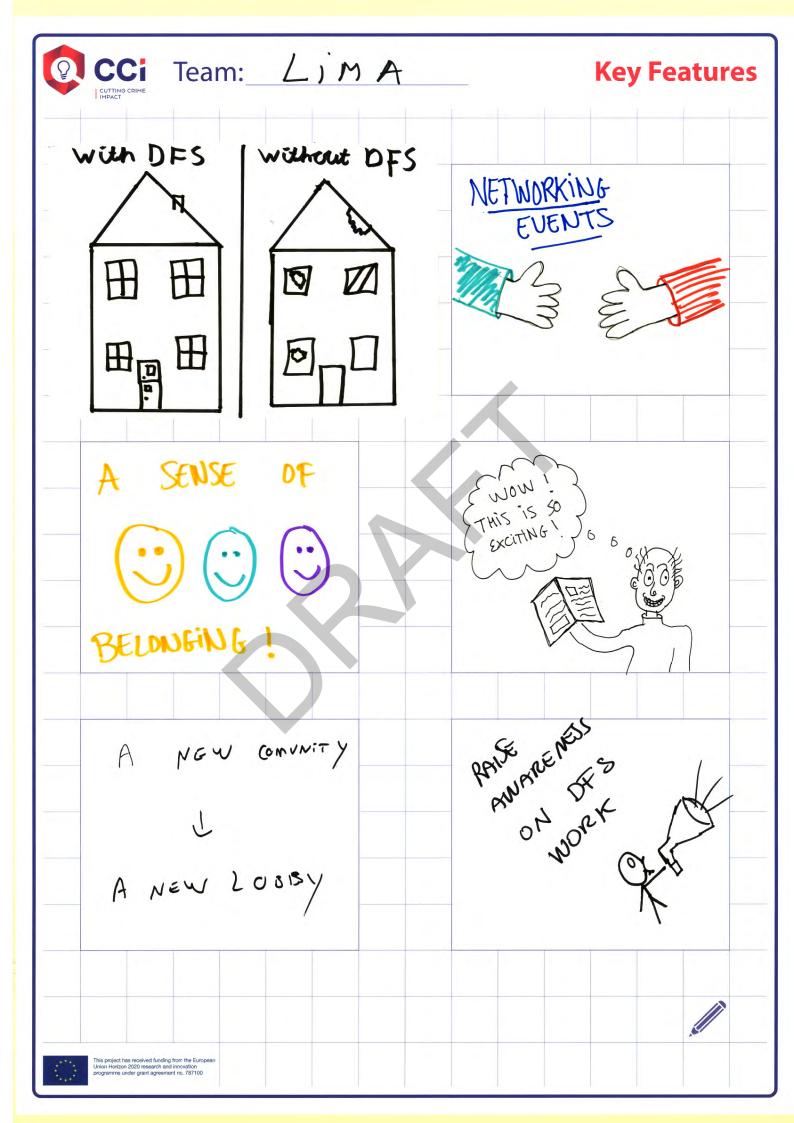
ON PROFESSIONALS UNLINE WEBSITE

What change will it create?

. CREATE A COMMUNITY OF PLANUERS , ARCHITETS AND UDP EXPERTS

What is needed to enable the concept?

- . Accept CREATIVE EDITOR
- EVENT ORGANISER
- · WRITERS
- AS INDOMANON, EVIDENCE ABOUT WHEN BECOMENDATED WHAT HAPPENS DE NOT FOLLOWED

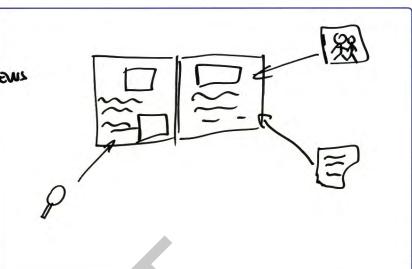


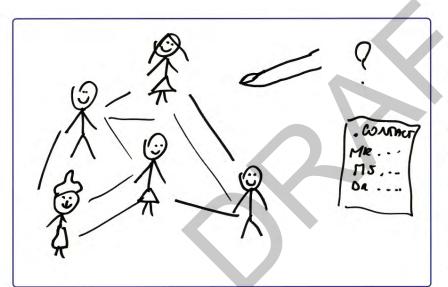


CCi Team: LIMA

Storyboard

- · Cheate the sourche of the
- · COUELT INFO, EVIVENCE, INTERNEUS
- · WRITE IT, PUT IT

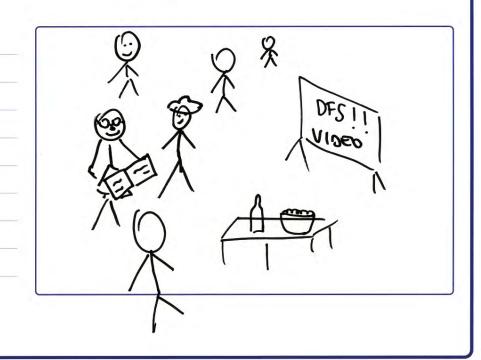


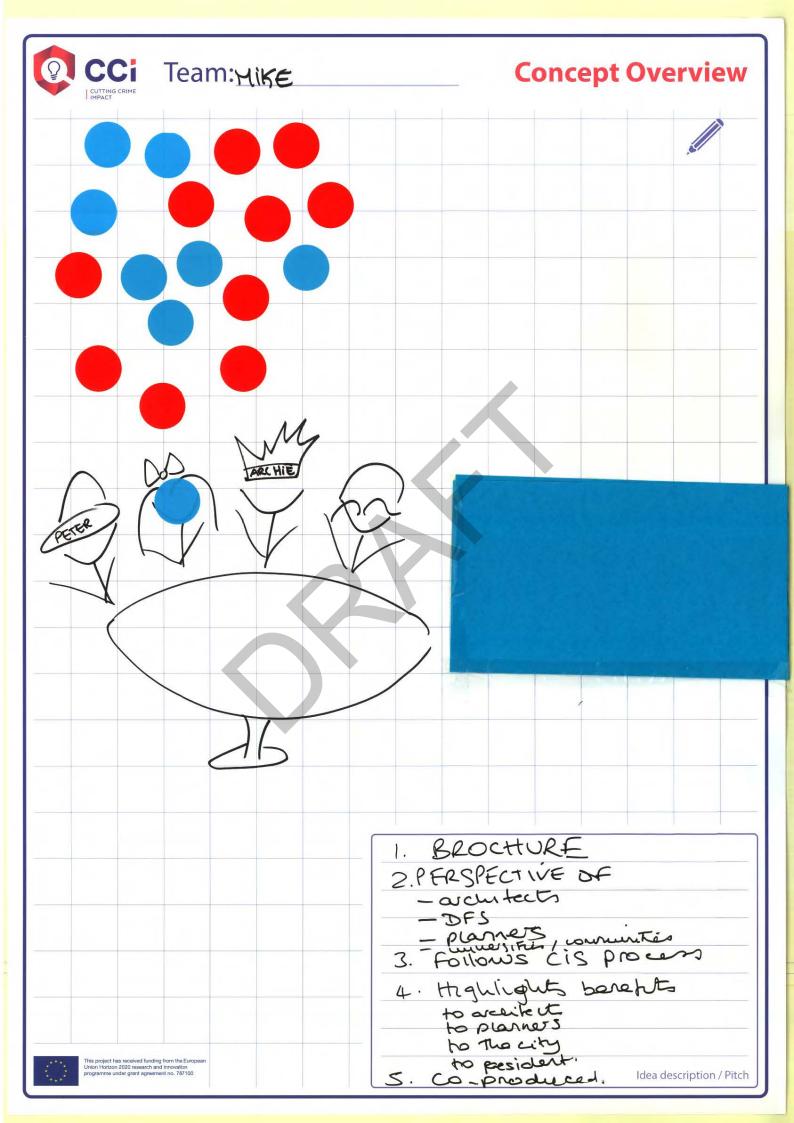


(PROFESSIONAL)

- SHOULD BE IMPERED IN
- . INVITE THEM TO NETWORKINGS
- · OR CANGE THETE EVENTS!

LET'S GET THE PE !!.





Concept Background

Design concept name?

PLANNING FOR SECURITY-GUIDELINES & BROCHURE

What is it?

BROCHURE & PDF

Who is it for?

PLANNERS, ARCHITECTS, POLITICIANS, STUDENTS, POLICE, etc.

What does it do?

SELLS THE VALUE OF CIS DESCRIBES HOW THE CIS PROCESS WORKS

How is it used?

READING
- DISSENINATED DURING
COURSES + CONFERENCES
+ KEY STAKEHOLIERS

What change will it create?

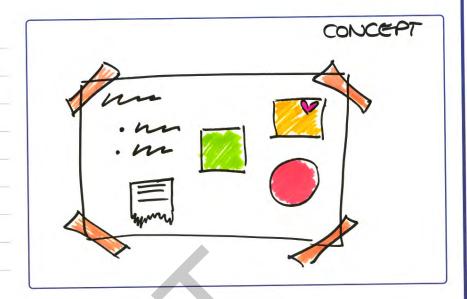
MAKE PEOPLE TO APPLY
EARLY FOR A CIS

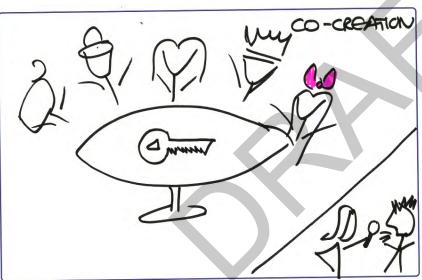
+
PROVES VALUES OF THE
CIS TO EMP
ENCOURAGES PLANNERS

What is needed to enable the concept?

DESIGNER + MONEY FOR CCI

- 60ALS
- MOCKUP



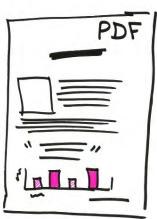


- interviews
- tocus group collection of dote
- key stakeholders

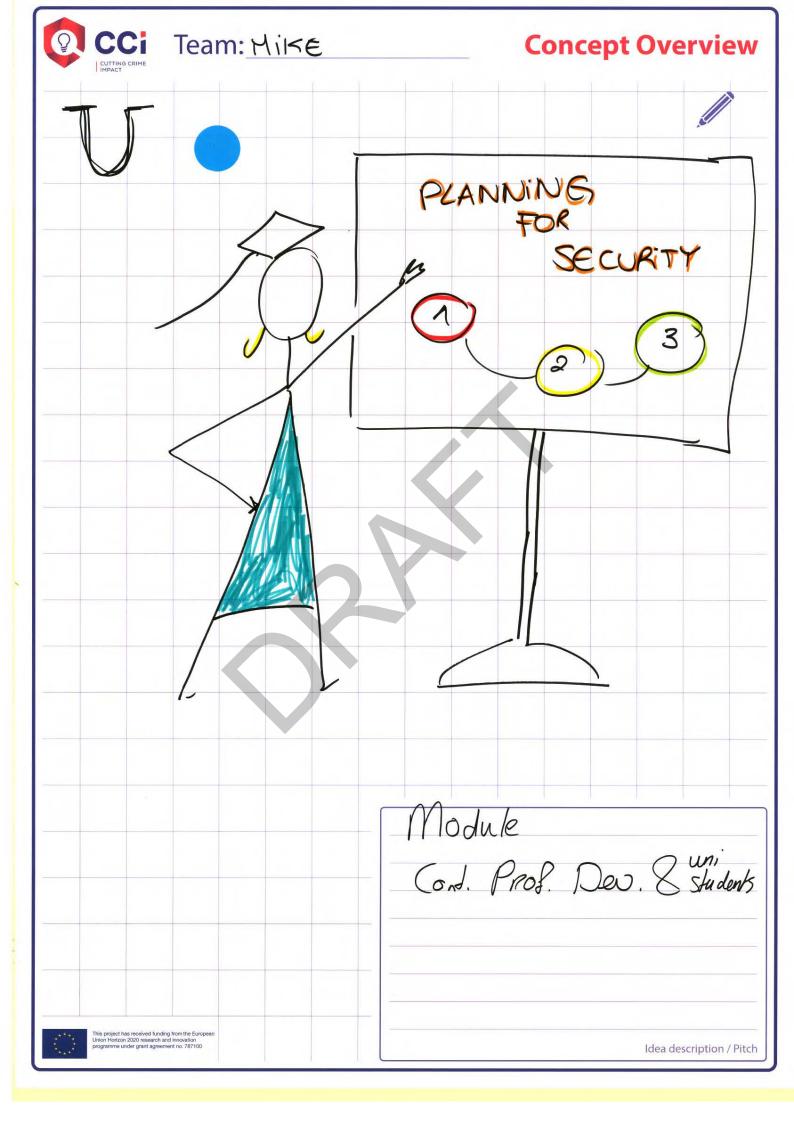
- design

disservitede

END - PRODUCT



CCi Team: Mike	Key Features
CO-PRODUCED	ACESSIBLE
VISUALLY ATTRACTIVE	COMMUNICATES COMPLEX IDEAS IN AN EASY WAY
This project has received funding from the European Union Horizon 2020 research and innovation programme under grant agreement no. 787100	



Design concept name?

PLANNING FOR SECURITY

What is it?

MODULE IN THE UNDER-GRADUATE TRAINING

CONTINUOUS EDUCA -TION COURSE TRAIN-THE -TRAINERS

Who is it for?

STUDENTS IN RANNING

CURRENT WORKFORCE

What does it do?

INFORMS ABOUT THE CIS.

How is it used?

BY DELIVERING A COURSE

What change will it create?

TO IMPROVE THE KNOWLEDGE OF CIS proces, reprirements and name

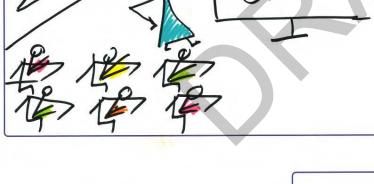
What is needed to enable the concept?

ACADEHIC VALIDATION

FUNDING FOR THE PILOT

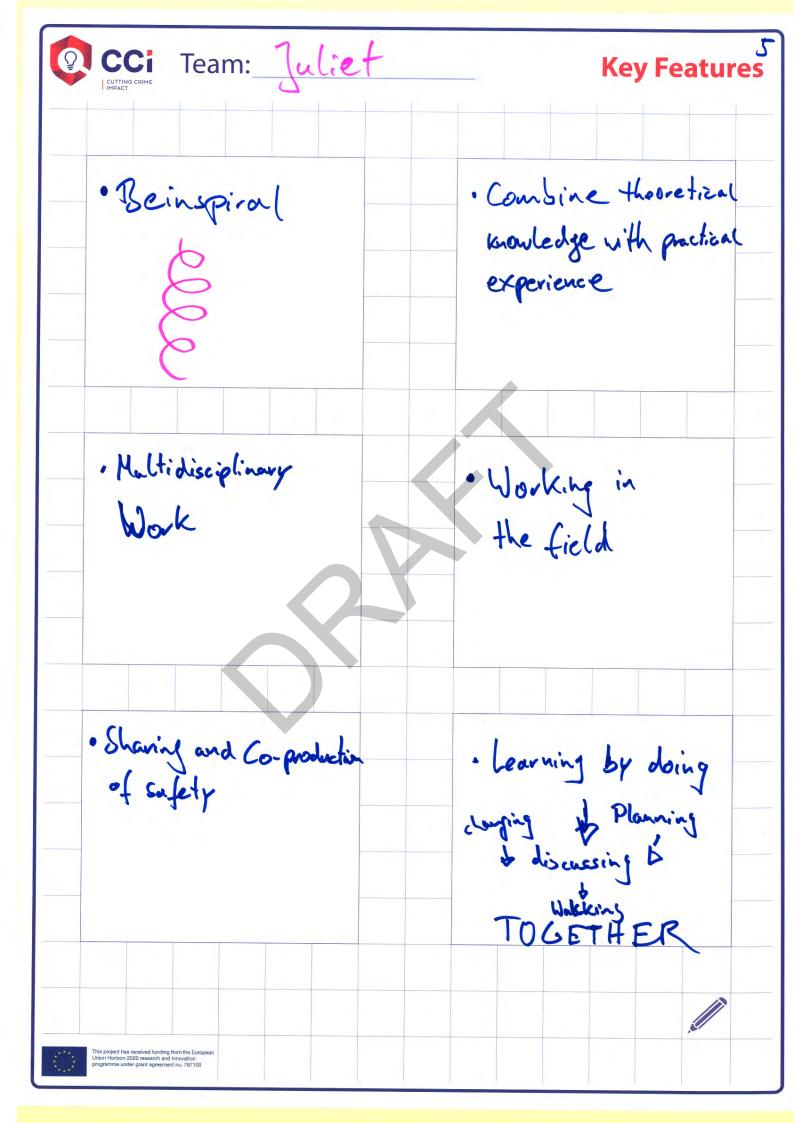
PLANNING LECTURER

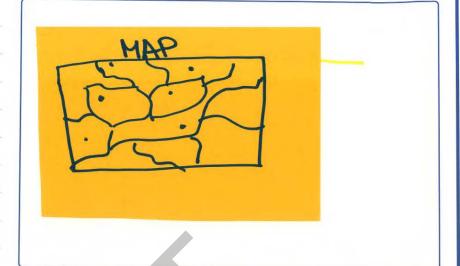






CCi Team: Mike	Key Features
FACE-TO-FACE CLASSES	ONLINE
ACTIVITY: CREATE A CIS	MANAGING CONFLITS & TRADE - OFFS
CPD CERTIFICATE	
This project has received funding from the European Union Horizon 2020 nesearch and innovation programme under grant agreement no. 787100	

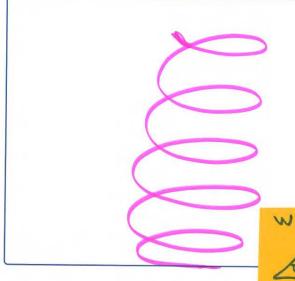






2. EXPLOPATON WITH WIST TEAM AND LOCALS

3. EVALUATION
AND
FEEDBACK
TO WIST
PARTEES





What is it?

-EXPLORATORY WALKS

Who is it for?

- · POLICE
- . URBAN PLANNERS
- · CITIZENS

What does it do?



IDENTIFYING WHAT IS WORKING AND WHAT NOT IN SAFETY ASPECT How is it used?

IDENTRY IMPORTANT INDICATORS IN THE PLANNING

What change will it create?

- CHANGE IN PERSPECTIVE INFORMATION ABOUT
- NEW INSIGHT
- INTECRATION OF DIFFERENT PERSPECTIVES

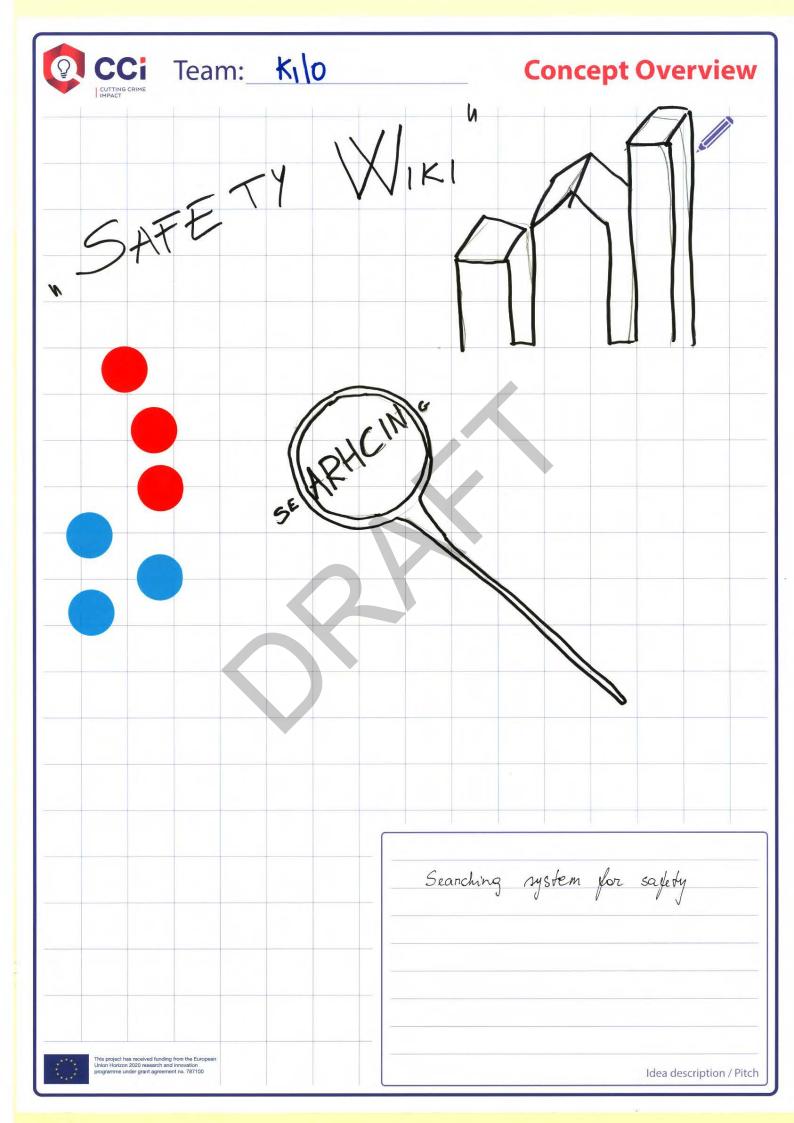
What is needed to enable the concept?

CRIMES HAPPENING

IN THE AREA

- COOPDINATOR WHO

IS CATED EXPERT



Safety WIKI

What is it?

wikipedia for Safey Who is it for?
Stake holders

What does it do?

Facilitate & the information Sharing

How is it used?

good: wikiPalia

As a working tool for Stakeholders

What change will it create?

- · Better informed Stakeholder about Safety
- · Better integrated Safety in their everyday work

What is needed to enable the concept?

- Define concepts
- Design the wiki redic

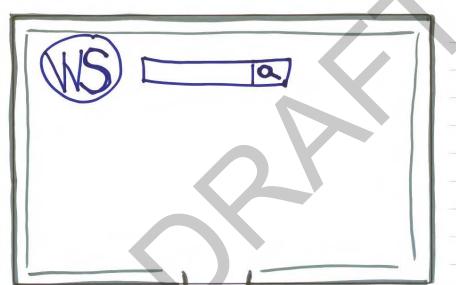


CCi Team: KINO

Storyboar

Create content tailored to the users

-sales -crupp -crume flood -



Design the website

Adapt Safety
Wiki in their
daily work and
update continously





CCi Team: KI	Key Features
Editorial Team	Platform
Continuous Updates of content	
This project has received funding from the European Union Hortron 2020 research and limovation programme under grant agreement no. 787100	

CCi Team: Kilo	Concept Overview
"Security Alter Ed	30 /
P _c	le play game with
	le play game with Virtual elements
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Security Alter Ego"

What is it?

Role play game with

Who is it for?

Plannes
Architects
Buildes
Police of las
Local Municulty
Neighboods
Neighboods

What does it do?

· baning community to create a Sharing understanding of Safety and Security - create a common language

How is it used?

- 1. Create a scencio based in real issues.
- 2. Use a virtual environment.
- 3. Itakeholders role preparation
- 4. Exchange Sessian

What change will it create?

Stakeholder aware of others perspective What is needed to enable the concept?

-technology to create the vivival Scenarios (Digital Twing vivial reality)





Team: Kilo

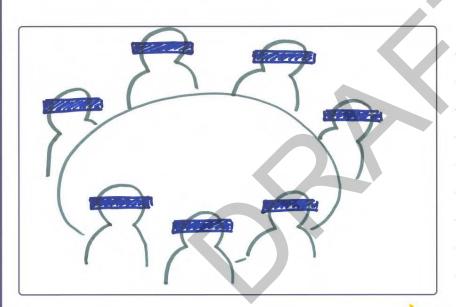
Storyboard



- · preparation of scenarios
- · preparation of their rolès by using VR.

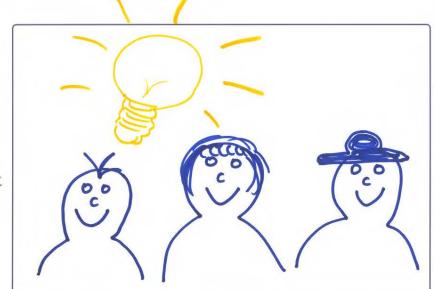
 · answer questions
- to identify with role





Learning community

· UNDERSTAND GACH OTHERS'S PERSPECTIVE · CREATE SHARED LANGRAGE



CCi Team: Kilo	Key Features
virtual City	experts
motivated stakeholders	BC C
	Round Table
	Koona saore
project description	
description	
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WIST

WORKing In Safety Together

What is it?

· Outdoor Tracking Course

Who is it for?

- · For Stakeholders
 - · Woon planners
 - · Police Officers
 - · Anhitects
 - Professors of Armitecture · Decision Makers

What does it do?

· Brings people together to discuss on approach on safety concepts in CPTED

How is it used?

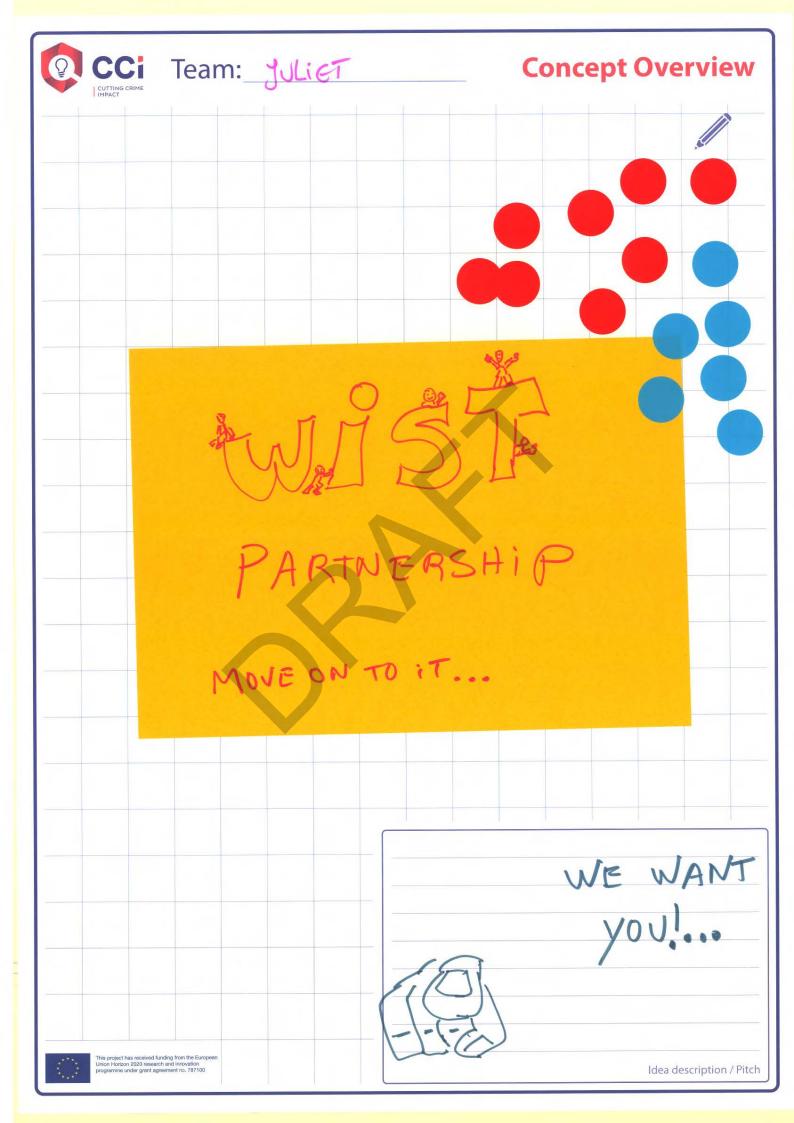
· Team building Tool

What change will it create?

- · Common understanding on safety
- . More stuble and cohesive partnerships

What is needed to enable the concept?

- · leadership ;
- · Willingness to participate
- · Wisely chosen places to interact
- · Investment (Money)
- . Material Resources





CCi Team: Juliet

Storyboard

I dentifying Stakeholders

Conceptualisation of actual Outdoor training





Bypproach Partners and bring them to gether

Larry out the Yorkshop

6 andysting outcome

· Memorandum

. Nex Steps































