



# University of Twente

Workshop:

Concept generation of  
PV products in a future scenario

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RIO6 – World Climate & Energy Event, 2006



University of Twente  
The Netherlands

## Outline workshop

- Explanation of activities (10 minutes)
  - Brainstorm (15 min)
  - Development of future scenarios (30 min)
  - Concept generation (30 min)
  - Reporting (30 min)
  - Total time about 2 hours
- 

## More general information

We will work in groups

- Max. 3 persons
- Select your own team members
- Who will report at the end of the session?

## Brainstorm

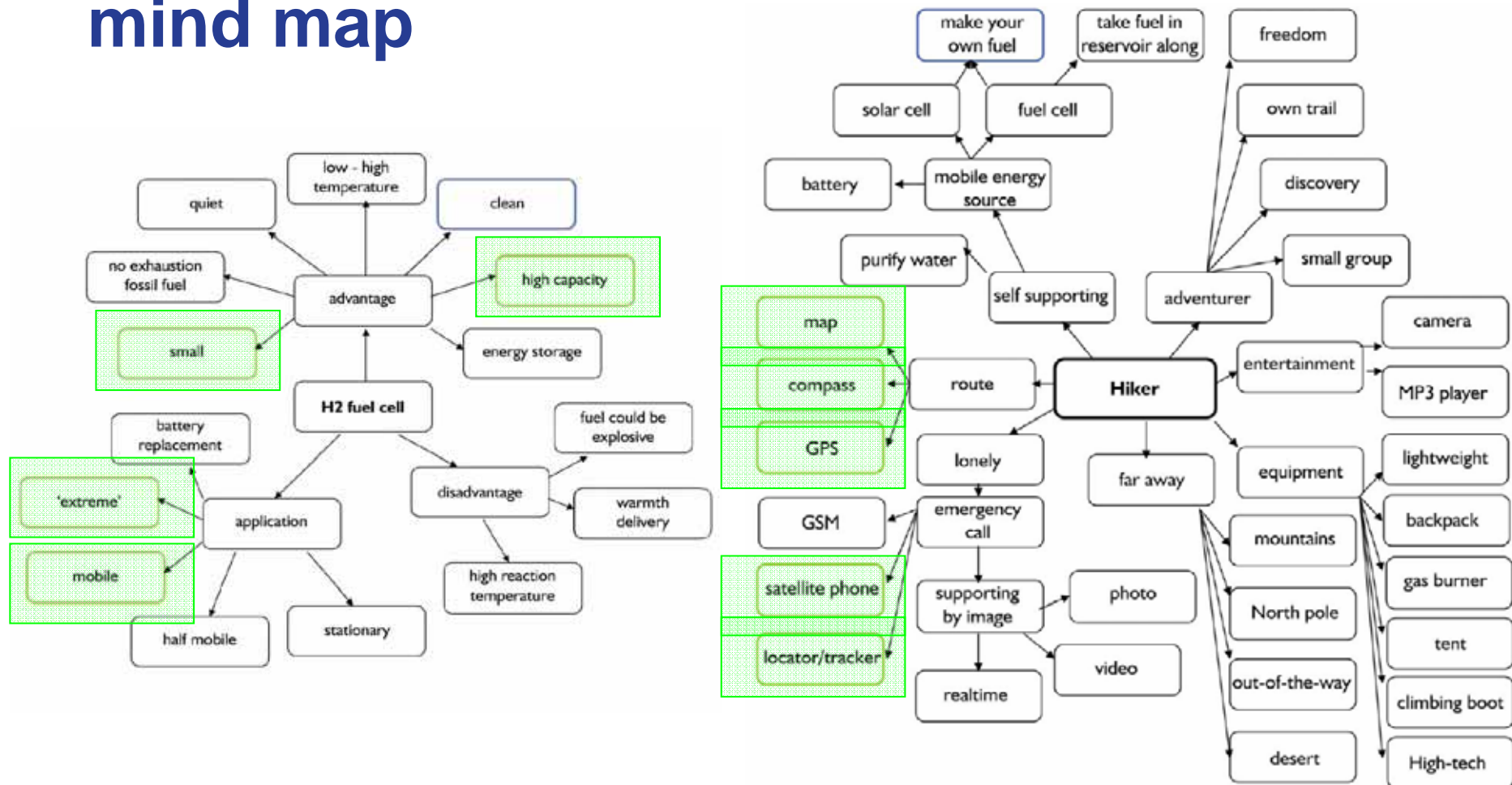
You will need

- 2 up to 3 pieces of paper
- felt tips
- an open mind!






# Result of brainstorm: mind map



## Rules for 'good' brainstorming

- Everybody is creative
  - Ideas are property of the group
  - Trust and openness in the group
  - You are allowed to lie
  - Don't be prepossessed
- 

## Development of future scenarios

You will need

- a mind map
- felt tips
- scissors, glue and pictures
- a piece of paper
- a future view



## A future scenario can contain

- A narrative story

Personal or more global

- Assumptions of developments

Societal, technical, economic etc.

- Visualization

Drawings, collage



## Focal points of future scenarios





# Example of future scenario: future of sports

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electronic sports league presents

**FastBall Online**

Where the season never ends!

**Introduction**

**Getting started**  
By pressing the registration button you will be prompted to enter your personal details. After sending in the digital application, login details will be forwarded to your e-mail account. These details will give you instant access to the FBO game client. While you will be able to create a new account, the first month of FBO is completely FREE, after the trial period you will be allowed the possibility of extending your membership on a monthly pay to play basis.

**Objective**  
FBO unites people from different backgrounds on a virtual baseball field. ESL gives you the opportunity to create legends.

**Mode & Skills**  
There are basically two ways of playing FBO. One is to access the game client through a stationary computer using a standard Wi-Fi connection. Secondly ESL offers the opportunity to play the game through your mobile phone, using a Head Mounted Display and the 3D controller.

**The Game**  
FBO game client contains a variety of stadiums, which are updated monthly. In addition every two months a new stadium is added.  
The game client also hosts a forum on which people can exchange feedback and personal experiences. The scores of the teams are statistically determined every 24 hours for public display purposes and team ranking. The position of the team within the ranking is dependent on the amount of games played and the final scores.

**Code of Conduct**  
FBO adheres to a very strict code of conduct that includes sections about proper language use, illegal acquisition of the game, and applicable regulations for resources. Please read through the CoC to find out what is and is NOT allowed within FBO.

**Treasure Hunt 3**  
the location based MMORPG

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**FastBall Online**

Where the season never ends!

**System Requirements**

Playing FastBall on a mobile device, will require a **Head Mounted Display** in combination with the **Microsoft X-Box** game controller.

**Mobile phone requirements**  
OS: Windows Mobile version 5.0 or later  
Processor speed: 400MHz  
Memory: 2GB

**HMD requirements**  
Resolution: 1024x768@30fps @ 180Hz

**Windows Mobile 11.0 Developer Evaluation Kit**

ps3 available from this december

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**FastBall Online**

Where the season never ends!

**Welcome to FastBall Online**

You are about to enter the world of mobile VR **reality**. ESL has created the ultimate online virtual reality gaming experience for 3rd generation mobile phones. Play with, and against, people from all over the world. Create your own league and compete in tournaments!

[Introduction](#) [System Requirements](#) [Terms](#)

[Registration](#) [Login](#) [Forgot password?](#)

**ESL News**

Imagine playing golf in your local shopping precinct. This... it's time to stop dreaming and start doing. **Links Golf** is the latest addition to the online sports range by ESL. The game is played on a virtual golfcourse projected onto the real world. GPS determines the location of the player in relation to the golfball. By using your X-Box controller you determine the direction and speed of the virtual ball.

**Ranking**

1. Rody de Jeroen
2. Ho the Moth All Stars
3. MacCormack
4. Anononymous
5. Starbuck
6. Barman
7. LeagueOfTheCue
8. Auldale
9. Bravado
10. NightHawks

**Clubhouse**

[Find player](#)  
[Find team](#)  
[Community](#)  
[Team profiles](#)

**Pic of the week**

**Player archive**

02-11-2012  
24-10-2012 (week)  
08-06-2012  
13-04-2012

**Virtual Reality sport..... the best of both worlds!**

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## Concept generation

You will need

- a future scenario
- felt tips
- a piece of paper
- creativity will yield good ideas



## Reporting

You will need

- a mind map
- a future scenario
- product concept(s)
- a reporter, to explain about the process and results

**Good luck and ....**



**have fun !**