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**Progress Antwerp**  
**25/4/2018**

**Risks and safety in adventurous  
playgrounds**



# What to expect?

- Safety?
- Legislation
- A video
- Risk analysis
- Norm (EN)
- Risks in the planning
- An exercise (theory)



# Safety First?



“Since the world is full of risks,  
children need to learn to recognize  
and respond to them in order to  
protect themselves and to develop  
their own risk-assessment  
capabilities.”

— *Risk in Play and Learning: Ubud-Höör Declaration sept  
2017, International School Grounds Alliance*



**Danger:** potential source of injury or health-problems,  
**ALWAYS THERE**

**Risk:** combination of the size of the potential damage and chance of damage. **OFTEN OK**



# EN (European Norm)

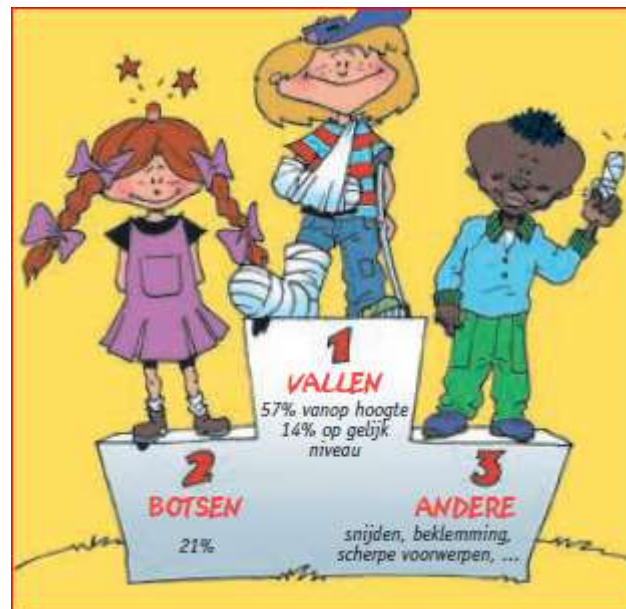
ex: EN 1176

- NOT legislation > NOT (absolute) obligation
- Technical situation at the moment
- Deviate? > risk analysis
- Guideline for risk –level (reference)

## TOP 3

- Falling
- crashing
- Others

*entrapment!*



# EN (European Norm)

ex: EN 1176

- Play sets top 3 of accidents (total 80%)







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# Risk analysis

- Determining the borders
- Detection of the dangers
- Analysis of the risks
- **RISK = severity X exposure X probability**
- Risk –evaluation
- Risk –reduction (if required)



# Risks in the entire roadmap

- Pre- analysis
- Vision development
- Wishes & Planning
- Elaboration
- Evaluation (risk analysis etc.)
- Use
- Management (controls)





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**Choice of plants**  
**Sand**  
**Animals**  
**Free Stuff**

**Playing in Water**  
**Making Fire**  
**(Tree) Climbing**  
**Constructions build by children**



# Theoretical EXERSICE

## 'THEMES'

Playing in Water

Making Fire

(Tree) Climbing

Constructions build by children

## MINDMAPPING

- Benefits – Play value - Thrills
- Use (meant – expected - not meant)
- Dangers
- Risks
- Measures
- Review – Maintenance - Annual Control
- ...

