





1. Introduction to the Brainstorming
"The best way how to have a good idea is to have many ideas"
Brainstorming developed by Alex F. Osborne, 1939:

method of thinking up solutions, concepts, ideas in problem solving
using the brain to storm new ideas in groups

Brainstorming is a means of generating ideas.
There are a variety of brainstorming techniques (today we will present some of them).



When to use brainstorming?
You can use brainstorming in a project when:
Developing the solution definition, particularly in identifying alternative solutions.
Example: We need to reorganize the rail/road maintenance sector. What are the various solutions?
Identifying all potential risks on a project.
Example: a road to be constructed in a mountainous region. What are the risks?
Developing the Work Breakdown Structure - WBS (identifying all the deliverables and work items).
Example: A tender to be floated for technical assistance. What kind of staff to ask, what experience, for how long?
Dealing with difficult problems that arise during the course of the project.
Example: During the construction of a project, we phased a problem. How to deal with this problem?



Step 1: Free Thinking, Producing Ideas Data collection process needs Competition versus Don't know what Developing project Some people will never change cooperation customer wants without developing process Lack of training at Everybody needs to Pressure for success Too busy to learn all levels change but me Too many projects Social, family Which comes first Lack of Need to be creative demands composing the tear management understanding of Bad weather or stating the problem? need for it Want to solve Not using collected ack of follow-up by problem before clearly defining management What are the Need new data rewards for using collection system Behaviour modification may Lack of trust in the Unrealistic take longer than Short-term planning allotment of time process time available mentality



































































