

National Mountain Safety Council of Sweden

Vysoké Tatry 2010



Mr Per-Olov Wikberg, Mountain Safety Council and the Swedish EPA

Mr Kent Herrström, President of CIFRO/Sweden

Mr Stephen Jerand, Police County commissioner



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011

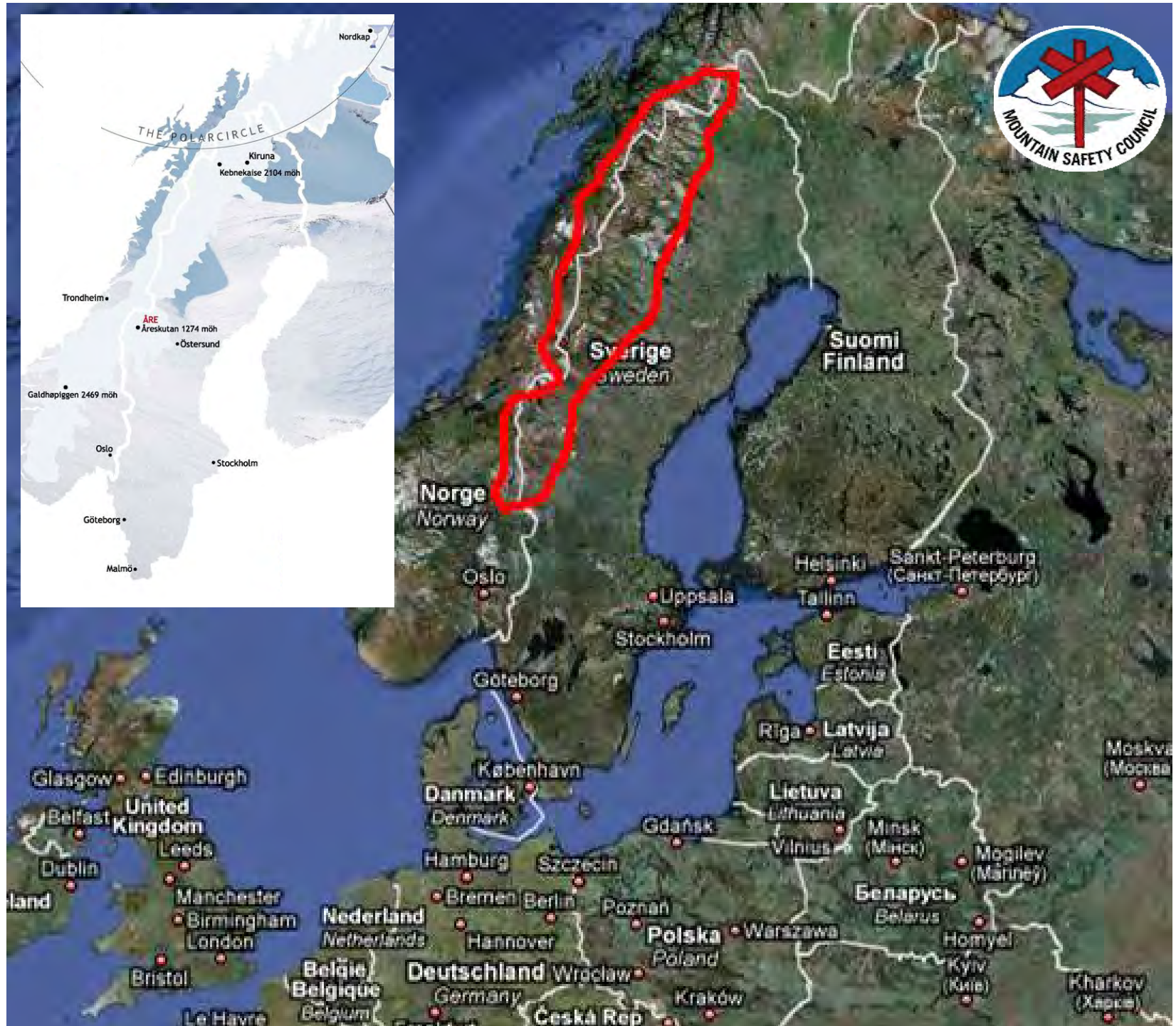


**But first, let us give you a brief
introduction to the Swedish mountains...**





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



The Swedish mountain range....

1000 km from north to south

6500 km of mountain trails

app. 30 ski areas

3 000,000 incoming visitors



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Fewer than 50,000 local inhabitants

Average treeline is at 400-600 m.a.s

Highest peak is Kebnekajse, 2110 m.a.s



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



app. 150,000 snowmobiles

app. 6500 km of marked mountain trails





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Very few roads, long distances, arctic weather conditions with strong winds and often severe cold



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



App. 50 mountain huts on long distance
from public roads





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



300,000 reindeers and 3500 samí reindeerherders...



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



...and the one of the worlds highest population densities of brown bears (in boreal forests)



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Some of Europe's largest National Parks and Nature Reserves, **SAREK, PADJELANTA, MUDDUS ...**



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Many visitors is mainly practice crosscountry skiing



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



More than 150 000 snowmobilers





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



An increasing numbers of freeriders.....

foto - Per-Olov Wikberg



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Bringing new kinds of mountain behaviour....



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



National Mountain Safety Council of Sweden



- 30 years of accident prevention



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



The national mountain safety council of Sweden
- 30 years of accident prevention

The History



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Östersunds-Posten



en och Duved drabbades:

dåkare begravdes två lavinolyckor

STOR LAVIN FARA!



ER-
VDE



IKAR
/CISA
CONGRESS

ÅRE
SWEDEN
2011



Östers nära va De fyra h igår-ihjälfr



Bruksvallarna (ÖP) De fyra personerna Palm, samt Lennart och Bertil Blomberg försvunna i västra Härjedalens fjällvärld begravda i snön bara några hundra meter från stugan – mellan de funna skidorna och stugans dörr – trots att snön sjunkit samman under de senaste dagarnas töväder.

Fjällräddningen organiserade sökandet tidigt på söndagsmorgonen. Man skulle försöka sig på att söka igenom ravinen mellan Karriknallarna och Beritkläppen.

– Den delen av fjällsidan var den enda tänkbara plats vi hade kvar att söka med sonder, säger polisinspektör Herje Bäckström som lett spaningarna. Vi hade sökt på den här platsen tidigare med skótrar och hundar, men vi hade inte sökt med sonder.

Sonderingen på här platsen var mycket svår. Det var snötäckning och överhängande lavinfara. Herje Bäckström hade skickat ned en sonder till Funäsdalen efter drygt två dagar. Han bedömde det som väldigt svårt att spränga in ett område som kunde genomsökas.

De 30 man som sökte lade upp sig på två ställen som gick mot varandra. Det var 40 meter kvar till stugan när sondererna skulle kända Holger Wagen

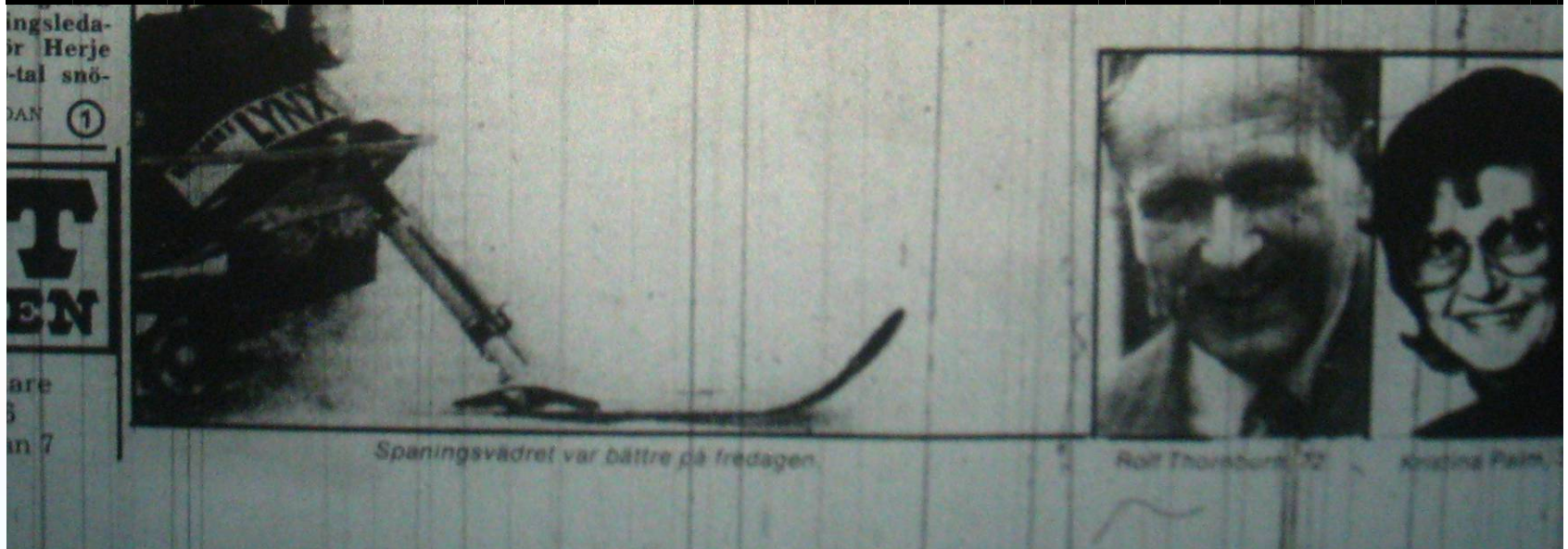




IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



A national debate began after 3 severe mountain accidents where 14 tourists died.





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



The national mountain safety council of Sweden - 30 years of accident prevention



18 authorities and organisations in successful cooperation



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



National Environmental Protection Agency Mountain Safety Council



- The Mountain rescuers association
- National Meteorological agency
- National Touring association (STF)
- National Snowmobile association
- The Swedish Army
- Mountain Guides (UIAGM)
- National Environmental Protection Agency
- National Police
- National Climbers association
- Liftowners association (SLAO)
- National Reindeerherders association
- The regional county board (4)
- National map survey agency
- National outdoor association



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



The way we cooperate and creating success



A nonprestige cooperation, a unique diversity between national & regional authorities and organisation

Faster decisions with many “decisions makers combined with great transparency

13 mountain safety committees, one in each mountain municipalities

We believe that corporate competence in coordination gives the best possible result



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



How does the mountain safety council work ?



- Coordination of many various activities is included in the process of mountain safety, producing common benefits for mountain rescuers as well as for individuals
- Promote information and training in mountain safety
- Monitoring and support research and development work in mountain safety



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Traditional information is good, but how can we make it even better in the future?



We believe in

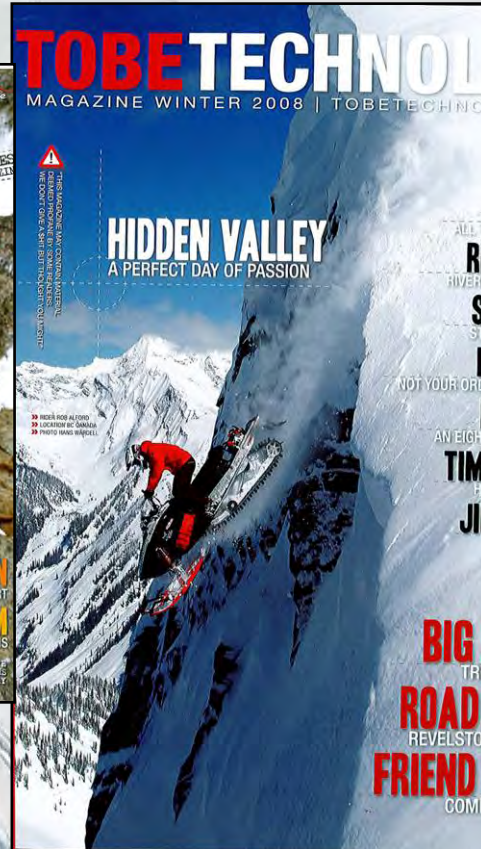
- target group analysis in order to prevent accidents

- message on the recipient's condition





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



källa: tobe.nu

” Regarding producers of ”lifestyle media”,
can we find ways to cooperate?

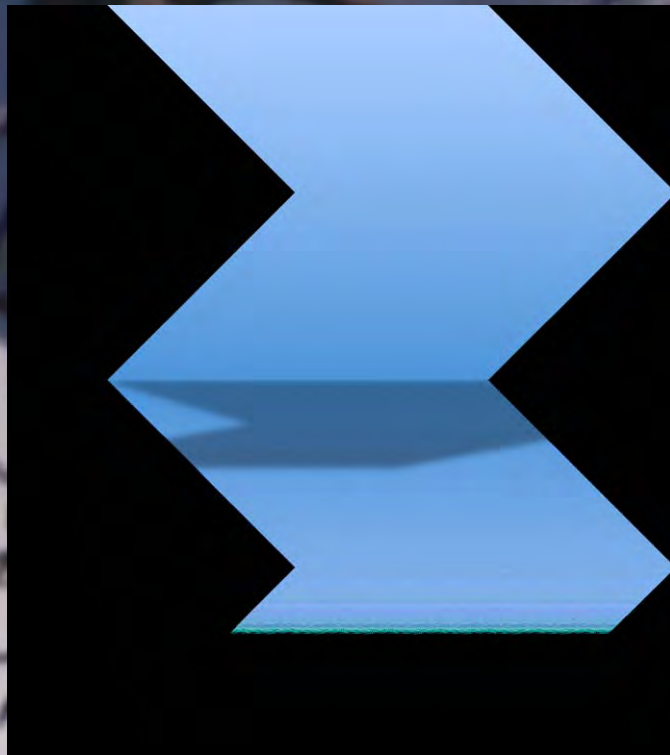
foto - Per-Olov Wikberg



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Or..is this the way to go?



(password: po)



Examples of different projects of today that increases mountain safety

Establishing a new guidestandard "mountain leader"

Establishing a new standard for companies who is renting out snowmobiles

Increase the cover of the mobilephone communication in the mountains

An avalance forecast project, probably starts at the beginning of 2011





IKAR- Mountain Rescue/safety analysis - a system analysis approach



- The main purpose of the project was to analyse how different stakeholders contribute to risk and risk prevention in order to reduce accident rates in the Swedish mountain regions.
- The main questions of this analysis focused at:
What may affect and influence risk probability?
- What can we expect in the future and how we can influence the development?



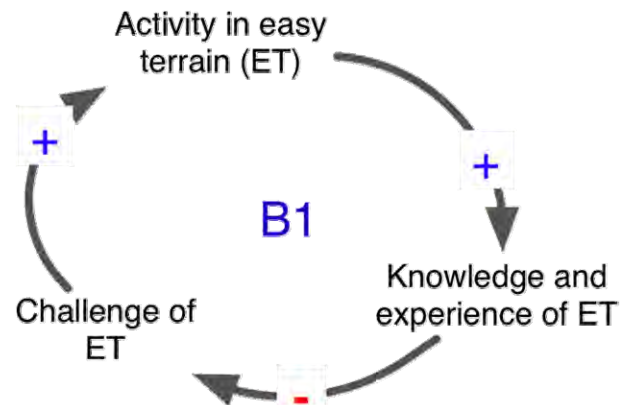
IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Using the method and how to make a system analysis approach

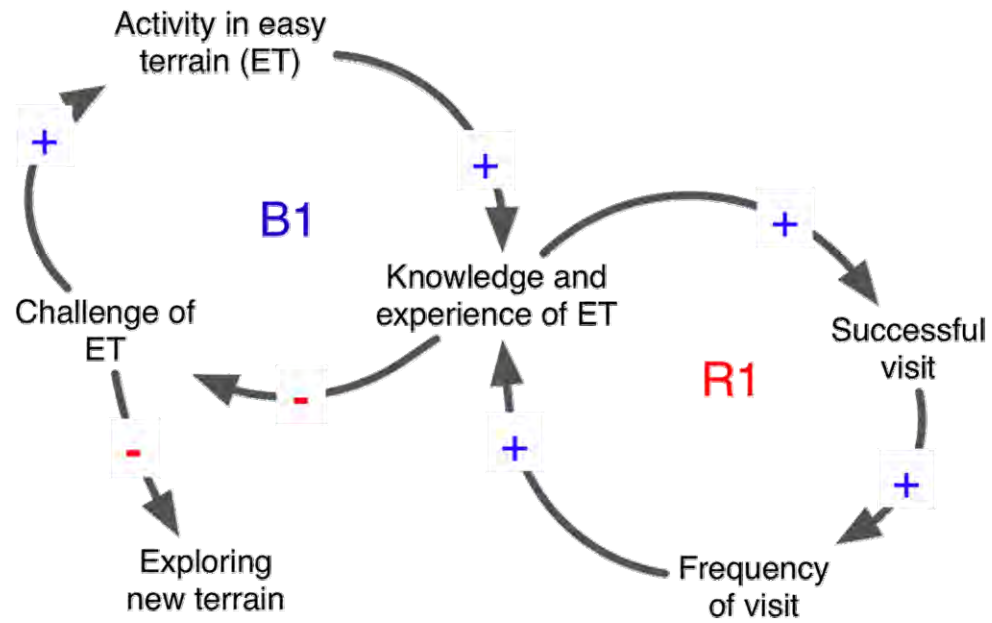


The diagram shown step by step



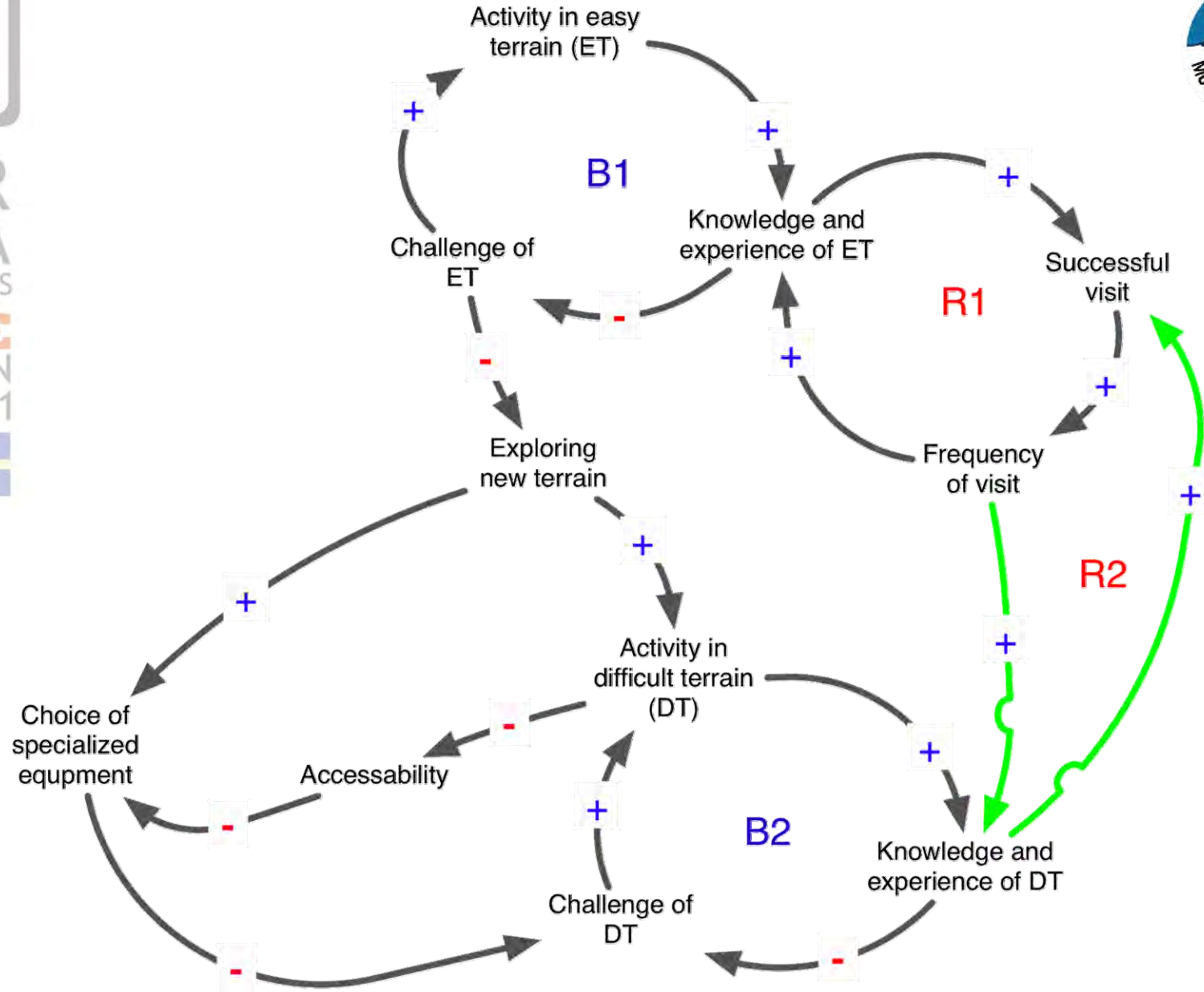


IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



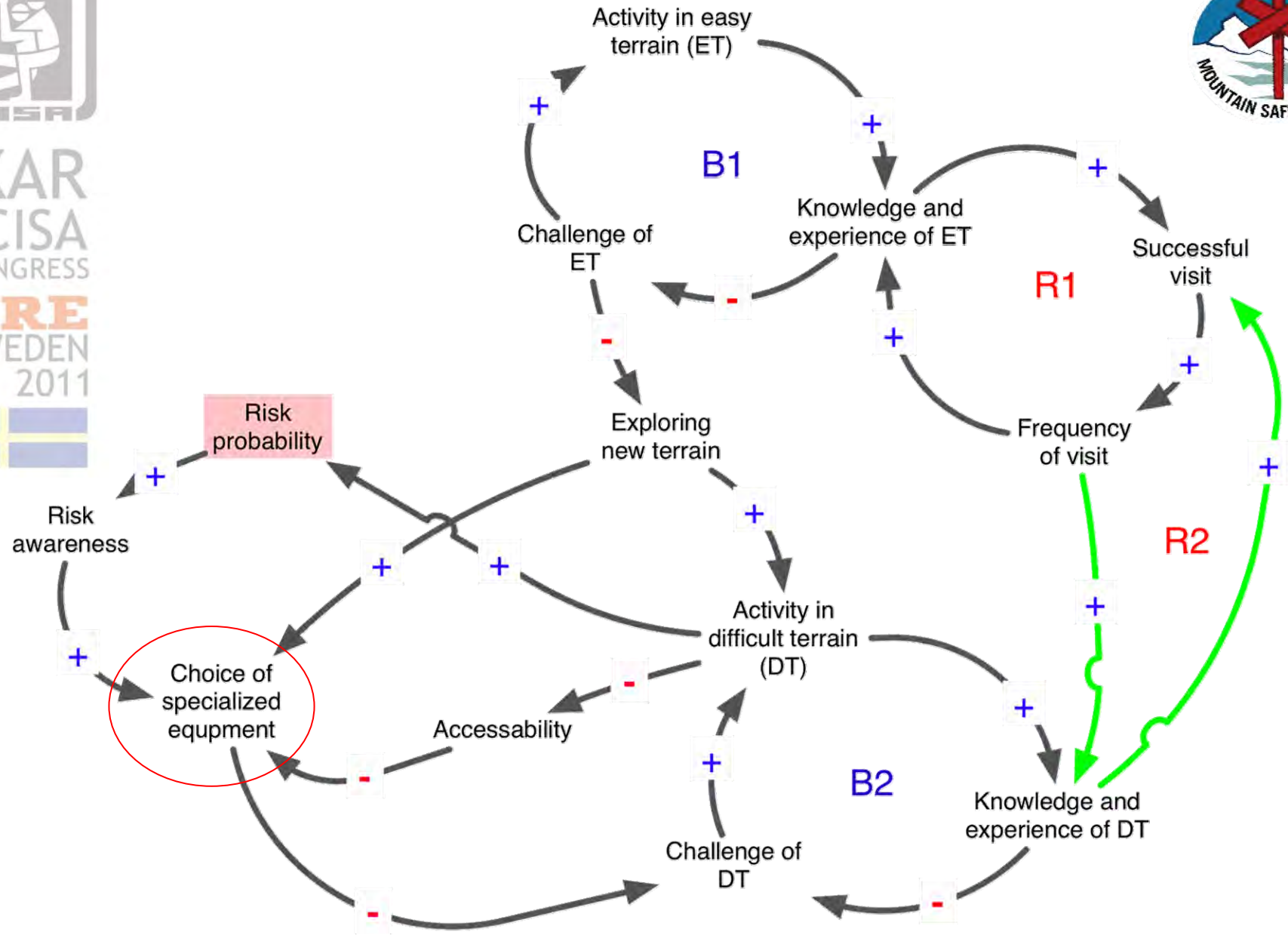


IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011

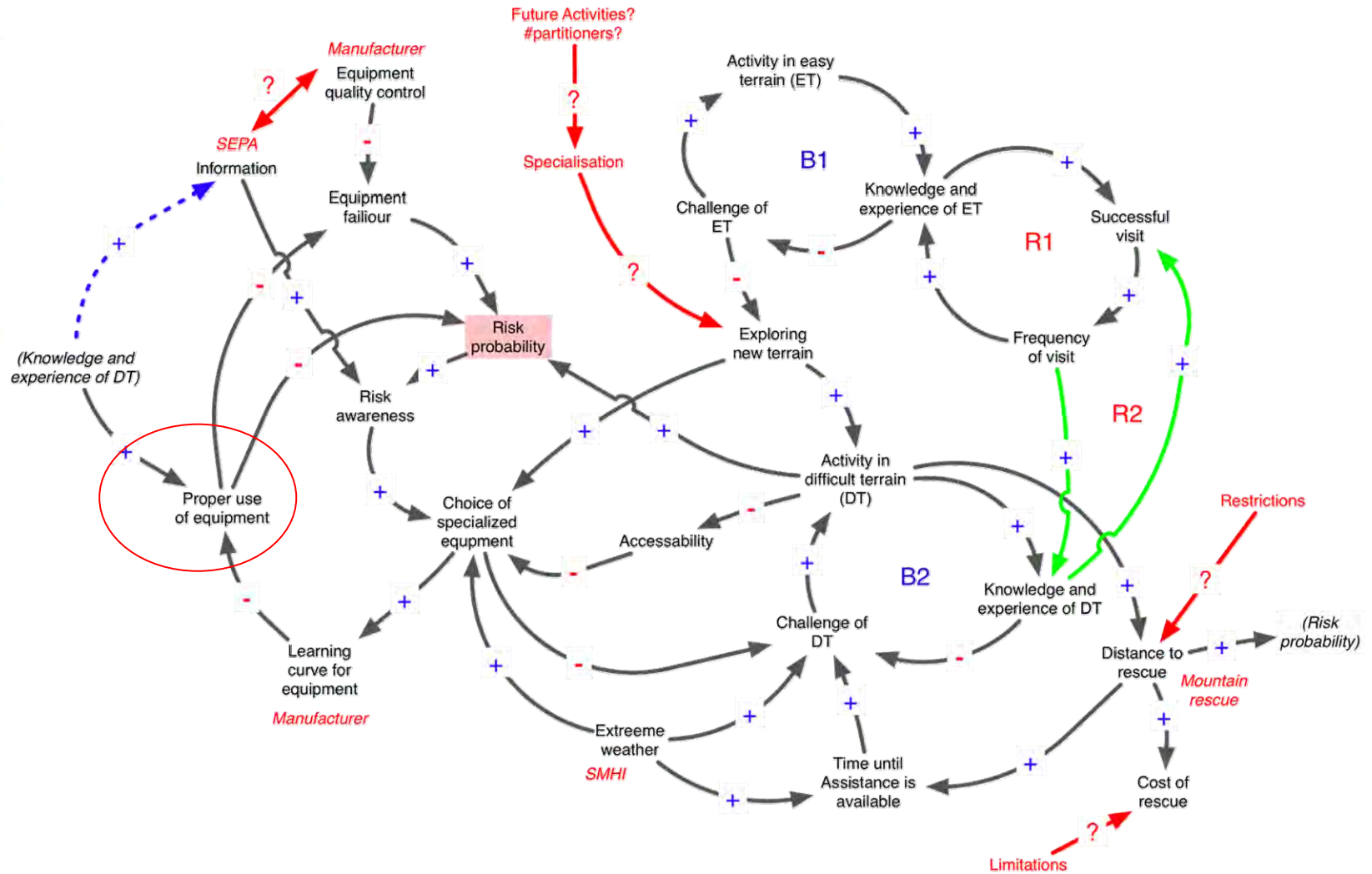




IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



What can we expect in the future?





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Learning where to put in the effort...

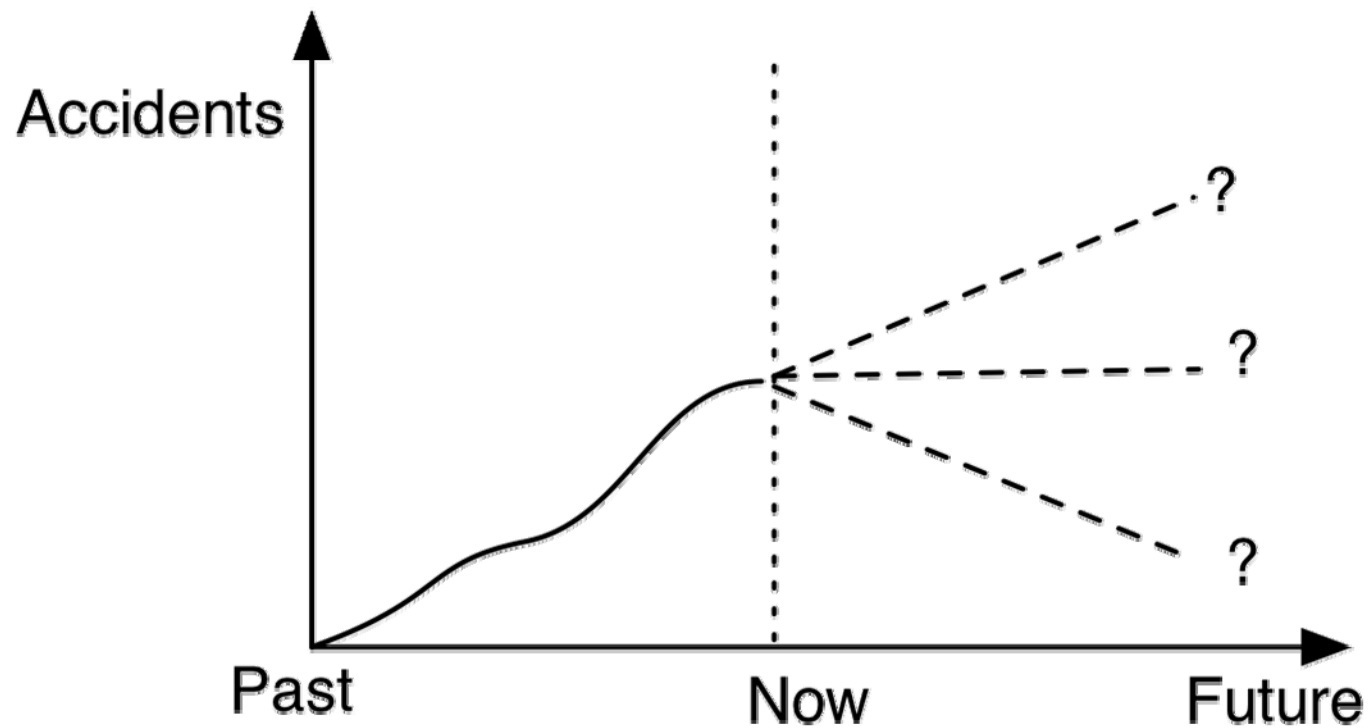




IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



How can we affect future development?





IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Better educated visitors, will results in fewer accidents and happier visitors!



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



And hopefully better educated visitors will have an direct impact in fewer call-outs and a decreased degree of risk for the mountain rescuers in rescue operations



IKAR
/CISA
CONGRESS
ÅRE
SWEDEN
2011



Thanks for listening!



Welcome to our monter in the exhibition area



IKAR
/CISA
CONGRESS

ÅRE
SWEDEN
2011



And please be
welcome to
Åre / Sweden
IKAR-CISA
congress 2011