



# Global Warming

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**What is the future of World Cup Races?**

Dr. Josef Zenhäusern, International Ski Federation FIS

# Situation

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- Global warming affects all mountainous regions. However, it seems to have had stronger effects on the northern region of the northern hemisphere meaning that classic ski areas in Europe and North America were affected more strongly. Nevertheless, snow fall levels above 2000m in the Alps are unlikely to change.
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# Situation

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- Ski destinations at lower altitudes, who already have shorter seasons, have to prepare themselves for worsening conditions in the upcoming decades. However, the continued development of artificial snowmaking technology may have the potential to compensate for the climate changes.
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# FIS today

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- ☐ 108 Nations
  - ☐ 4500 competitions per year
  - ☐ 330 world cups broadcasted
  - ☐ Economic effects of approx. 10 Mio Swiss Francs per world cup
  - ☐ Budget 45 Mio Swiss Francs
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ing (downhill, giant slalom, slalom, combination)



jumping/Ski flying



cross country/nordic combined



(jumping, moguls boarder-cross)

snowboard (halfpipe, alpine)

telemark

speed skiing

grass skiing





# FIS international competitions worldwide

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	2003-2004 Nations		2004-2005 Nations		2005-2006 Nations	
Alpine	2608	39	2777	44	2944	43
Cross-Country	964	32	1052	34	1035	33
Ski Jumping	137	13	139	12	147	12
Nordic Combined	78	11	77	11	67	12
Freestyle	230	16	266	17	252	17
Snowboard	654	26	674	32	602	34
Total	4671	45	4985	49	5047	46

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# The FIS Strategic Approach 1

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## MAINAU MANIFESTO

This manifesto of the FIS Council has arisen from the tradition of the Green Charter of the Mainau Island and its initiator Count Lennart Bernadotte. For many decades this Charter has supported the protection of nature and environment for the benefit of men. It was unanimously approved at the 39th FIS Congress 1994 in Rio de Janeiro and was presented by the FIS President Marc Hodler to Countess Sonja Bernadotte on 20th October 1994 on the Isle of Mainau (GER).

# The FIS Strategic Approach 2

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## ☐ General Part

- Objectives
  - Description of the Environmental Situation
  - Principles of Law
  - Protected Areas
  - Acceptance
  - Environmental Management
  - Co-operation
  - Information and Integration of the Population
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# The FIS Strategic Approach 3

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- Venues, Infrastructure, Environmental Components
    - Venues
    - Accommodation(Competitors,Media)
    - Transportation
    - Energy
    - Water
    - Sewage
    - Waste
    - Innovation
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# World Cup Races in the Future

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- ❑ Regional Viewpoints: Skiing has to become a global sport
  - ❑ Technical Aspects: Sufficient vertical drops and snowmaking facilities
  - ❑ Limiting the amount of races
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# Competitions not only in the Alps

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but also in China

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or in Bansko (Bulgaria)

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# in Pakistan

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# and why not in Lebanon ?

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# Final Remarks

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- ❑ Global warming change represents a major challenge for the FIS. Skiing is the one sport where people can immediately see the effects of climate change
  - ❑ FIS became the first world sport federation to adopt guidelines for the applicants of skiing world championships.
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# Final Remarks 2

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- ❑ These guidelines are not only rules for world championships but are reflecting the “FIS Spirit” concerning environmental problems and global warming.
  - ❑ The Ski World Cup shall continue to take place in natural, alpine environments. Artificial snowmaking is only meant as a complimentary instrument to ensure the successful implementation of events.
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Thank you for your attention

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