International Forum on Elite Sport IV

The Challenge of Major Games for Center Operations

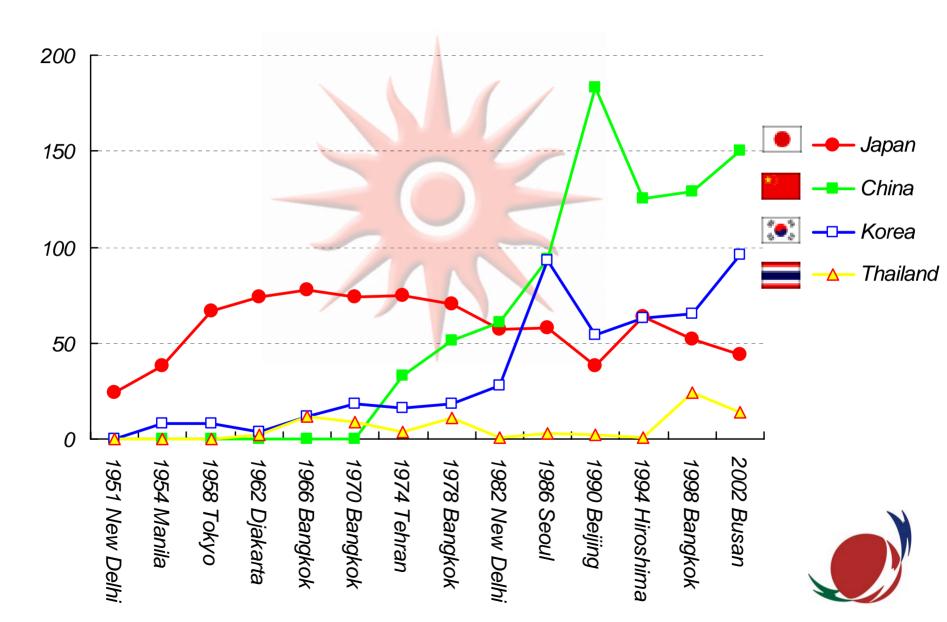


Takashi Kawahara MD
Japan Institute of Sports Sciences



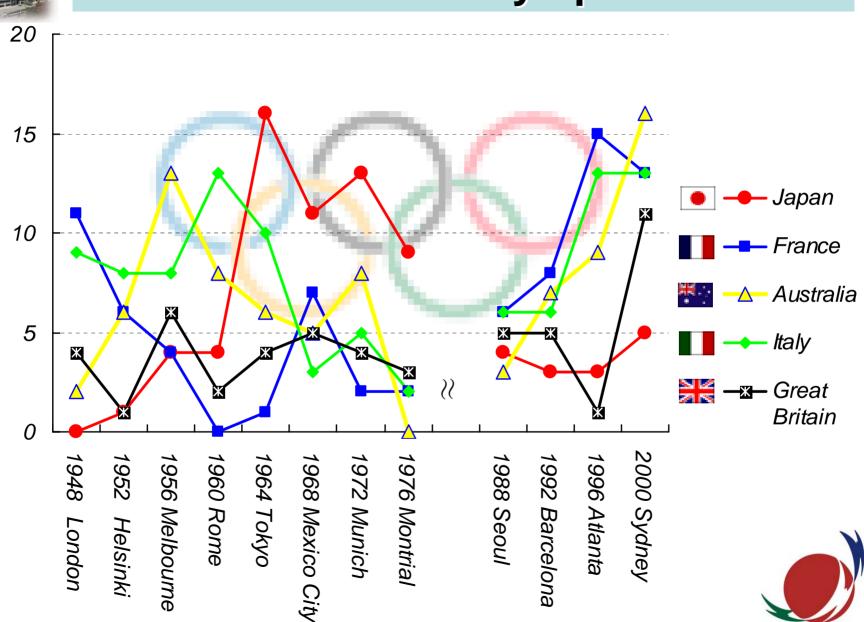


Gold Medals on Asian Games





Gold Medals on Olympic Games





New Sport Policy 1987

1986 Asian Game

Japan fell to 3rd position.

1987 Government

- Sport Fund: financial support to excellent athlete and his coach
- Pay to National Coaches
- Decided to establish JISS



National Agency for the Advancement of Sports and Health (NAASH)

Japan Institute of Sports Sciences (JISS)

1988 Planning Started

1998 Nagano Olympic

1998 Construction began

April 2001 Established

October 2001 Open





Basic Plan for the Promotion of Sports 2000~2010 (2000)

Ministry of Education, Culture, Sports and Technology (MEXT)

- 1. Life-long Sports (sports for all)
- 2. Elite Sport
- 3. School-based Physical Education and Sports





Basic Plan for the Promotion of Sports

2. Elite Sport

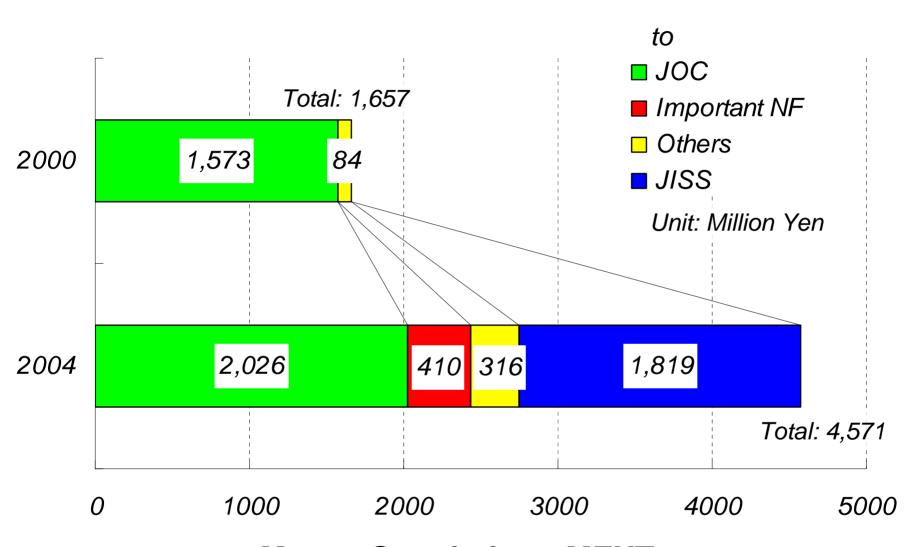
Target

Olympic Medals 1.7%(1996) ⇒ 3.5%

Measures

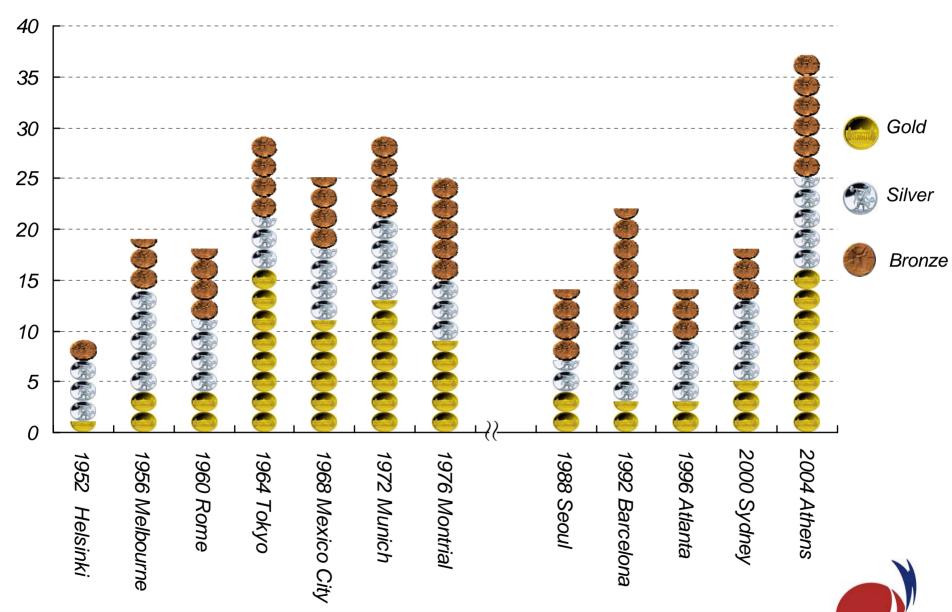
- A1) Program to develop athletes from Junior to Top Level
 - 2) National Training Center
 - 3) National Coach Academy
- B1) Sports Medicine and Sciences
 - 2) Anti-Doping
 - 3) To hold International Competitions





Money Supply from MEXT for Elite Sport





Change in Number of Medals on Olympic Games





Role of JISS

- To support the elite athletes with sports sciences, medicine and information.
- To conduct research related with enhancement of athletes' performance.
- To be the COE of sports science, medicine and information.

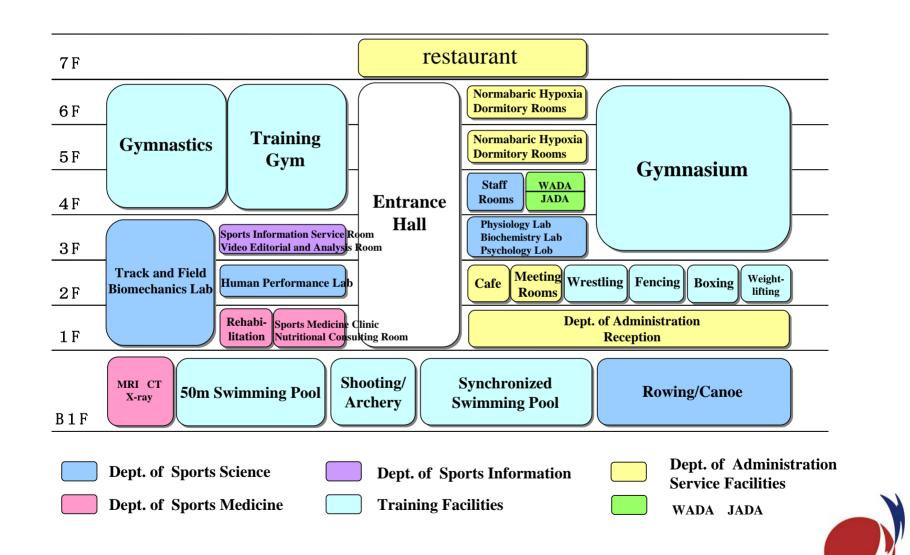


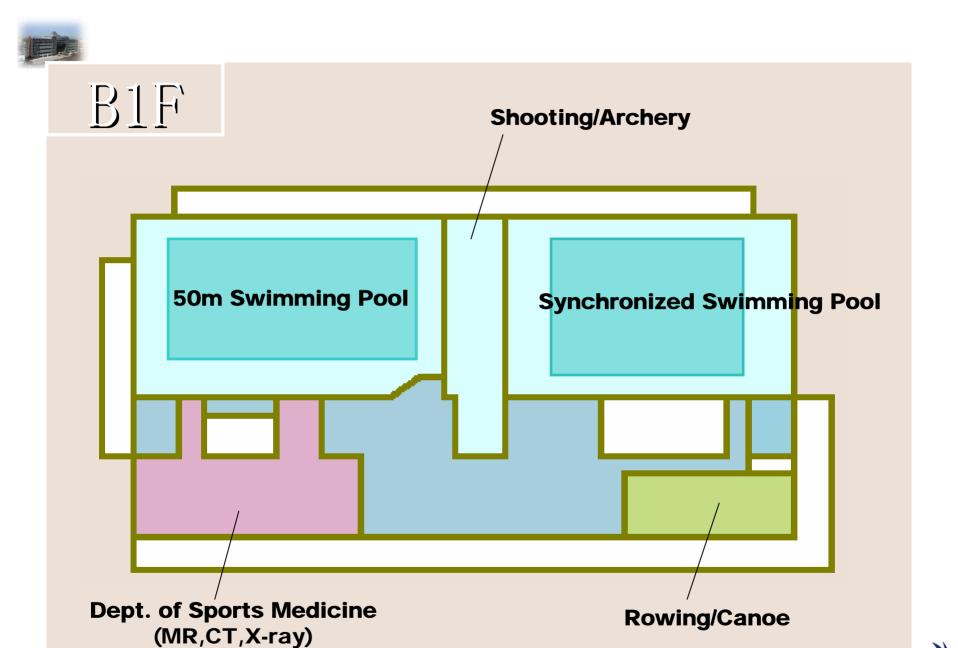
Building Scale of JISS

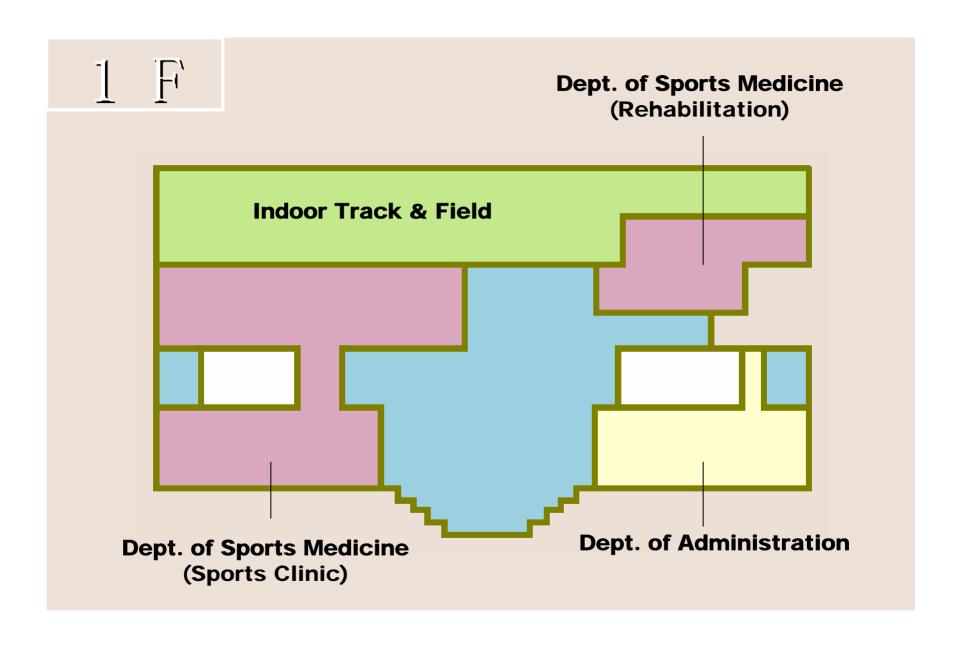


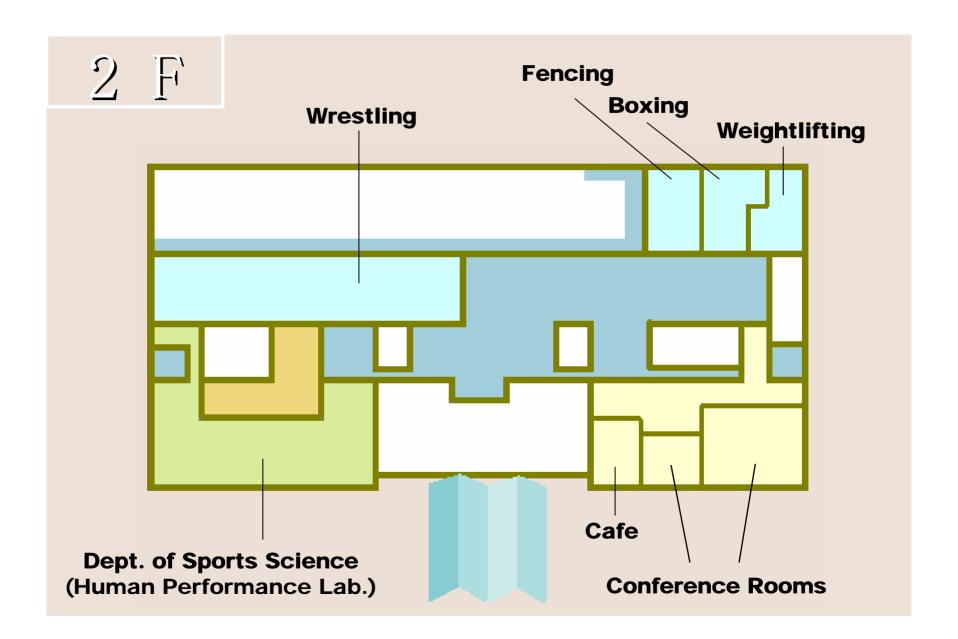


Structure of Building



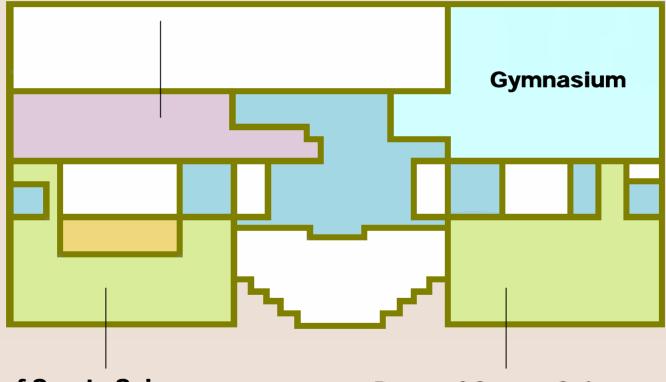






3 F

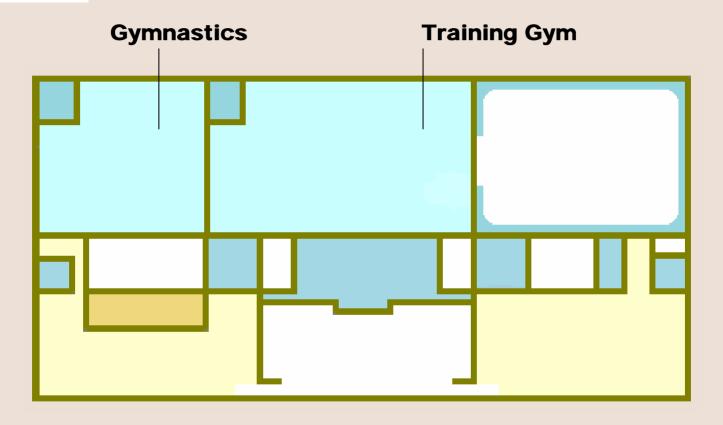
Dept. of Sports Information (Sports Information Service)



Dept. of Sports Science (Physiology, Biochemistry, Environmental Research Lab.)

Dept. of Sports Science (Sports Psychology & Video Editorial)

4 F





5,6 F Dorm Rooms



Restaurant









Organization and Programs

Total Sports Clinic

Medical

Consultation

Sports
Medicine and Science
Research

Sports Information
Service

Training Facilities Restaurant Accommodation

Dept. of Sports Medicine

Dept. of Sports Sciences

Dept. of Sports Information

Dept. of Administration





Budget and Staff

- Construction 27,000 million yen
- Running Cost 1,800 million yen
- Fulltime Staffs (60+35=90)

Sports Science 27

Sports Medicine 21

Sports Information 12

Administration 35



Sports Medicine Service

Sports Medicine Clinic

Internal medicine, Orthopedics open 5 days a week

Dentistry, Ophthalmology, Otolaryngology, Dermatology, and Gynecology

1 or 2 days a week

Rehabilitation

5 days a week

Mental counseling

as-needed basis

Nutritional guidance

as-needed basis





Sports Information Service

Global Network of Related Organizations

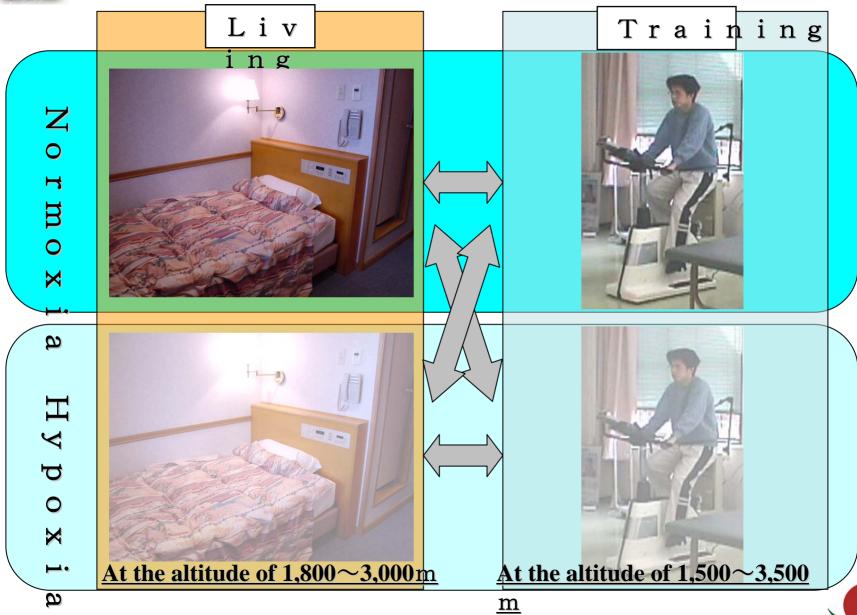
Sports Information Databases

Dissemination of Sports Information
 and Information Technology



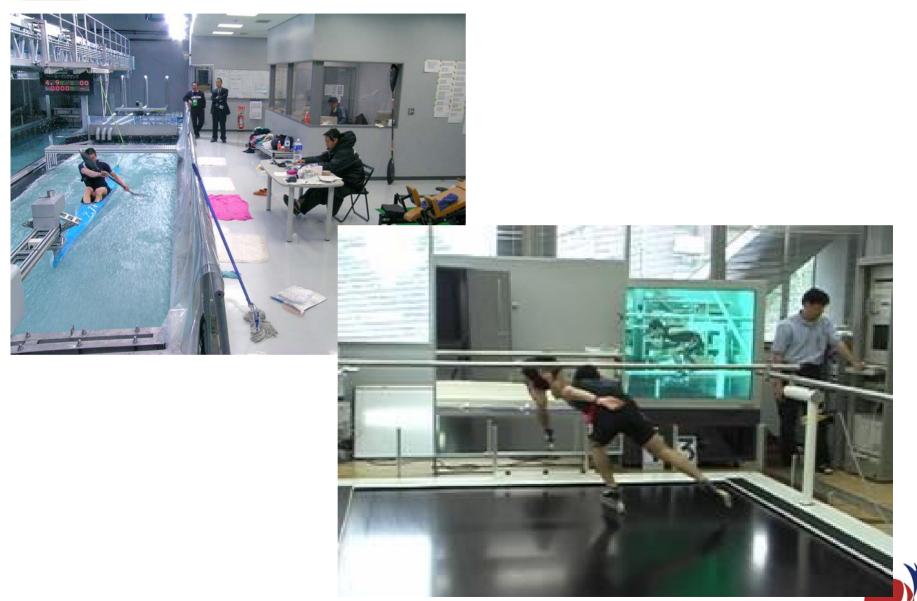


Research: Hypoxic Training





Development and Application of New Training Methods





Total Sports Clinic (TSC)

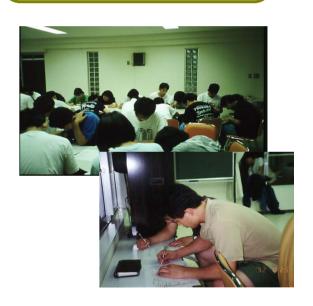
Medical Check

Fitness & Skill Check

Mental Assessment Nutritional Assessment





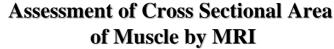


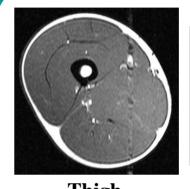


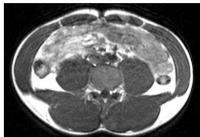
Feedback to Athlete, Coach and Other Staff



Quantitative and Qualitative Evaluation of Muscles Using NMR System







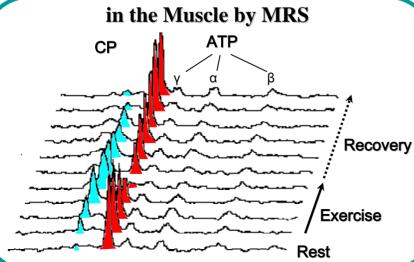
Thigh

Trunk

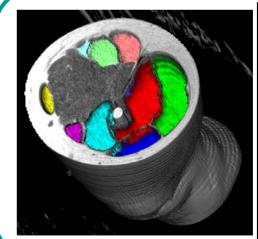


Superconducting MR system





3D Analysis and Motion Analysis

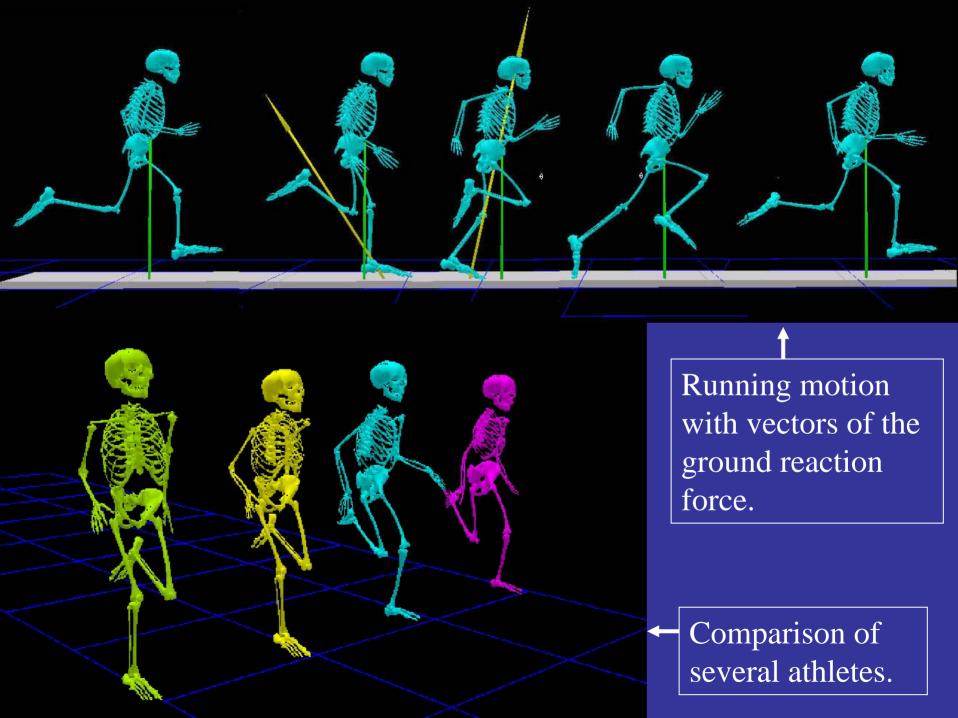






Motion Analysis using VICON System and Force Platform







TSC Support Projects for Each Sports Event

Summer Olyi	<mark>mpic Events</mark>			Meda	al in At	hens
2001	2002	2003	2004			
Synchroni	ized Swimming	• • • • • • • • • • • • • • • • • • • •	•••••		2	
Wrestling Soft ball				2	1	3 1
	Swimmii	20		3	1	
			•••••	3	1	4
	Gymnas	tics ·····		1	1	2
Weight Lifting ·····						
		Judo ······ Water Polo)	8	2	
		Gymnastic Handball Cycling Tra Fencing	s Artistic		1	
		Badminton Canoe Triathlon	Archery		1	
Red: Impor	rtant Events to Sup	port	Tennis Volleyball			
			Total	14 (16)	9 (9)	10 (12)



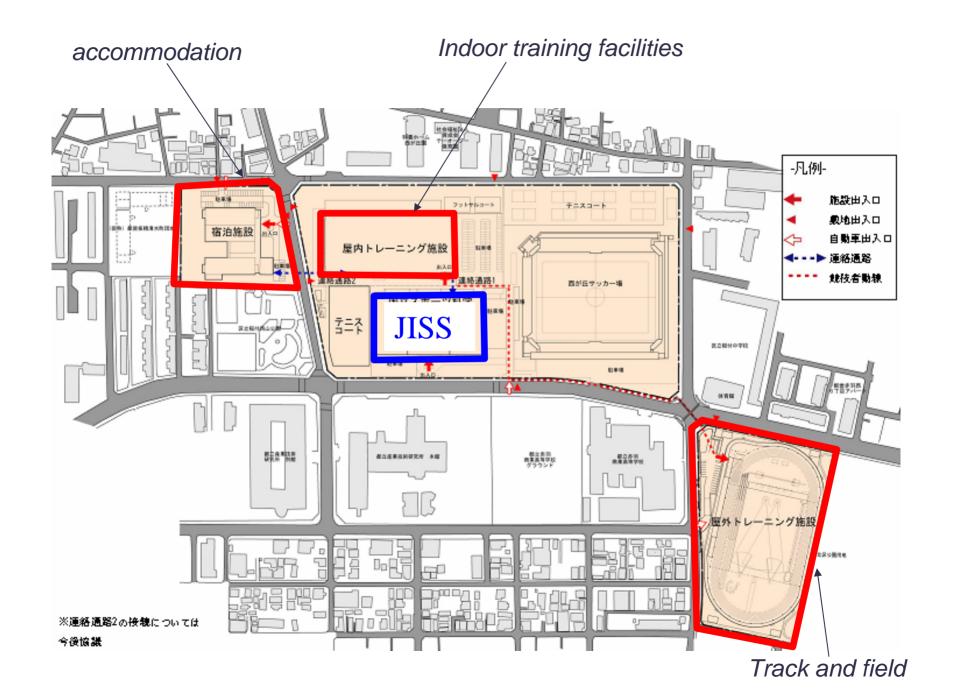
Support Projects for Each Sports Event

Winter Olympic Events

2001	2002	2003	2004	
Speed Ska	ating	••••	•••••	•••••
	Ski Cross (Ski Free S	Country tyle		•••••
		Ski Alpine		• • • • •
			Snow Board	••••

New Start of JISS

- ◆ National Training Center will be constructed nearby JISS by the end of 2007
 - Key Facilities
 - A track and field (400m truck with roof)
 - Indoor training center
 - Volleyball, basketball, handball (each 2 courts)
 - * Badminton (8courts), Table tennis (10 tables)
 - * Judo (1000mat),
 - * Others (Weight lifting, Wrestling, Boxing etc.)
 - Accommodation facility (250 beds)



Thank You Very Much For Your Hearing

