



# New Medical devices for Affordable Health



NWO

**Introduction to  
Joint Indo-Dutch workshop  
Trivandrum 21-23 Januari 2010**



## Three Parts

1. Characteristics of the NL infrastructure on Health R&D
2. NWO-theme on New Medical Devices
3. Joint Indo-Dutch program on NMD for Affordable Health



# Part 1: Characteristics of the NL infrastructure for Health R&D



## **Strong interaction between science and practice**

- Merger of all Medical Faculties and Academic Hospitals to University Medical Centres
- Merger of ZON en MW-NWO to ZonMw
- Academic involvement in Primary care
- R&D objectives of Public Health-institutes



## General characteristics of NL Health Research

- Good output (publications/scientist)
- High mean quality (citations/publication)
- Moderate bandwidth in quality
- Quite dispersed infrastructure
- Quite dispersed governance
- Economic returns on European level
- Thus below that of USA and Japan



## NWO family M€ 600/yr (2009)

75% via programs & project  
(M€ 450/yr)

via Departments, such as  
Health R&D (ZonMw), Technology (STW),  
Physics (FOM), ICT (ICTRegie), Genomics  
(NGI), Chemistry (CW), Biology (ALW),  
Humanities (GW), Social Sciences (MagW)

25% via NWO Institutes  
(M€ 150/yr)





## ZonMw

- Goals
  - Renewal of health R&D
  - Renewal of health care (innovation)
- Budget 2009: ca M€ 200
- Main financers:  
Ministry of HWS (3/4) + NWO (1/4)
- Part of the NWO family



# Part 2: NWO-theme on New Medical Devices



## Strategy of NWO-NMD

### Focus and scale

Enhancement of focus and scale of NL academic research  
in order to gain  
more NL returns for healthcare and economic activity



## Approach

Mid 2010:

Publication of the

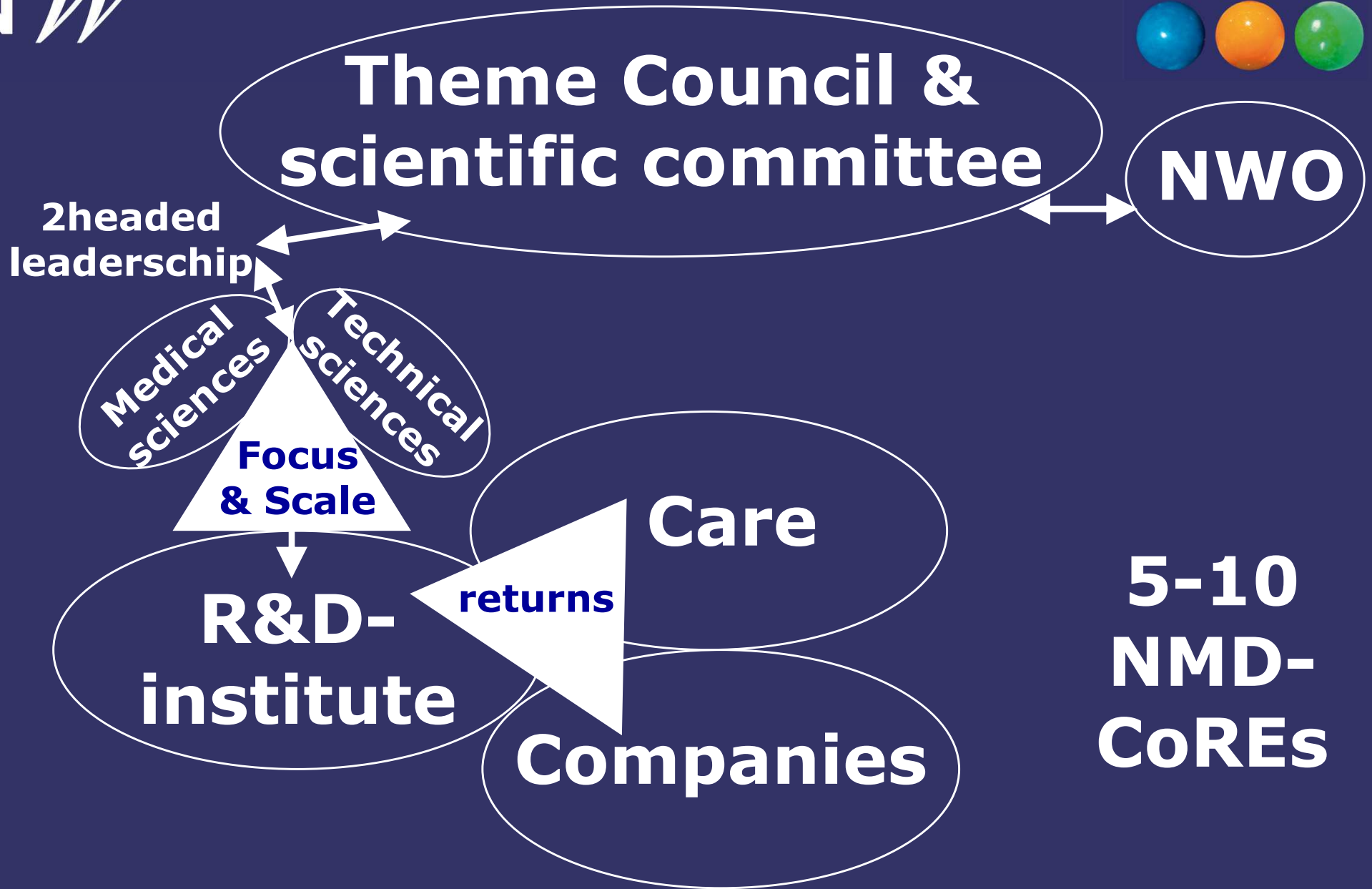
Structure Vision Plan for the  
Research Infrastructure on  
New Medical Devices in NL

to be based upon 5 to 10:

Centers of Research Excellence (NMD-CoREs)



# Governance





## Parallel Developments

- Nov 2009: NL-embassy Tokyo: publication Japanese R&D infrastructure on NMD
- Spring 2010: Joint India-NL R&D program on “NMD for affordable health”
- Spring 2010: NL-embassy Washington: publication USA R&D infrastructure on NMD
- Mid 2010: Advice of WHO on “Priority Medical Devices”
- Mid 2010: Advice of NL Council for Health Research on the “R&D-agenda for Medical Products”



**Part 3:  
Joint Indo-Dutch program  
on  
New Medical Devices  
for  
Affordable Health**



## Joint research projects

- Between Indian and Dutch researchers (public/non-profit)
- 2 PhD-students *or* 2 post-doc positions (one in India and one in the Netherlands) + exchange visits
- 3 to 5 joint research projects in total
- Call for proposals open first week of February and closing on 29th April 2010
- Applications must be submitted electronically using the ZonMw's grant application system "ProjectNet"



## Topics of proposals

- R&D New Medical Devices
- Affordable health: explicit goal to reduce the costs of health care in India or in the Netherlands
- At least one of the five topics:
  - 1) Minimally invasive techniques
  - 2) Medical optics and acoustics
  - 3) Medical image processing
  - 4) High precision instrumentation
  - 5) Safe extramural care



**More information ?**

**In the Call for proposals !**

**Questions ?**