

# Health Impact Assessment in Shell

IA IA 04

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# What is health?



Health is a complete state of physical, social, mental and spiritual well-being and not just the absence of disease or infirmity. It is a resource for everyday living.



# What is impact assessment?

The process of identifying the future consequences of a current or proposed action

[www.iaia.org](http://www.iaia.org)



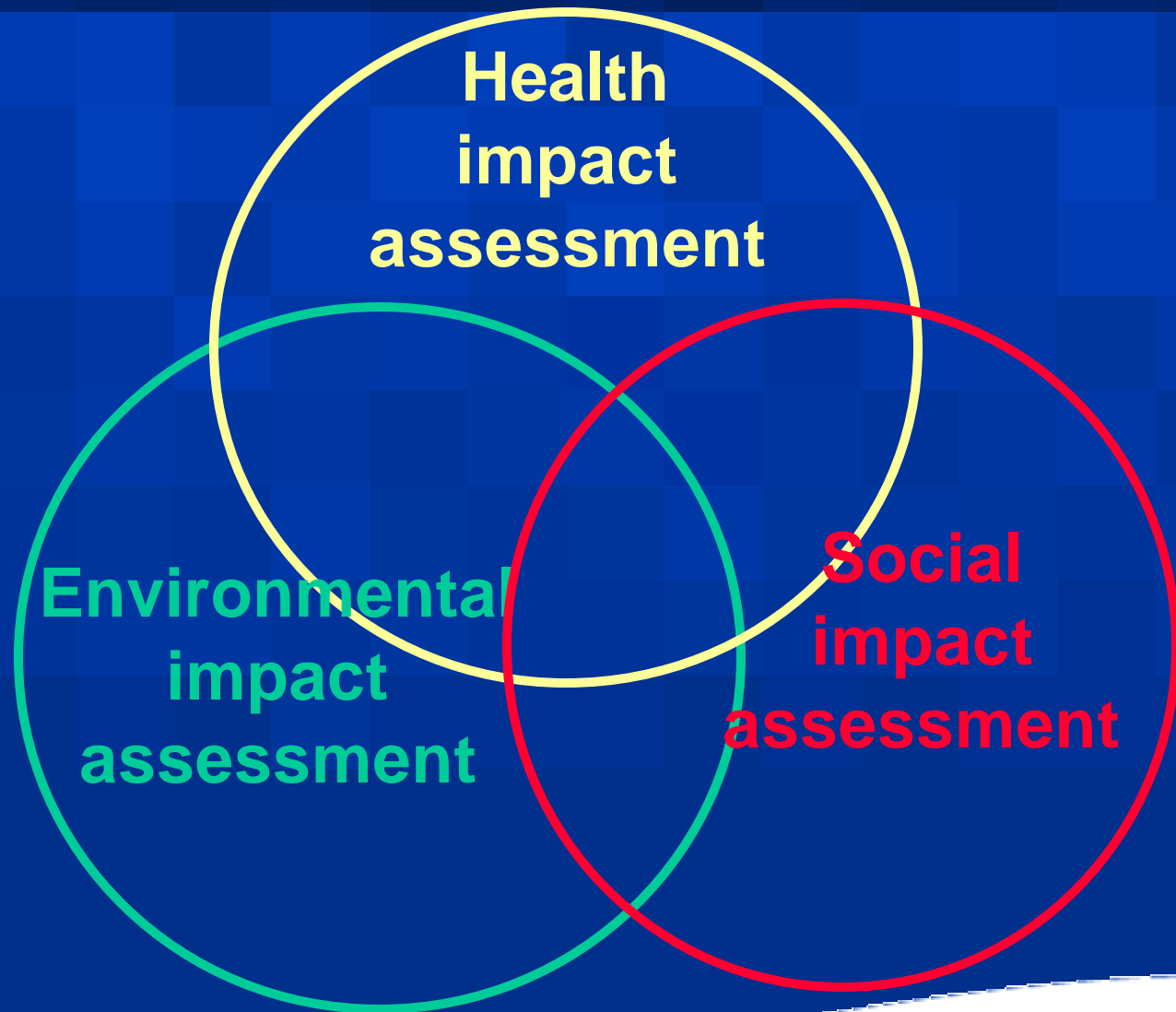
# What is health impact assessment?

“A combination of procedures, methods, and tools by which a policy, program or project may be judged as to its potential effects on the health of a population, and the distribution of those effects within the population”

W H O Europe 1999



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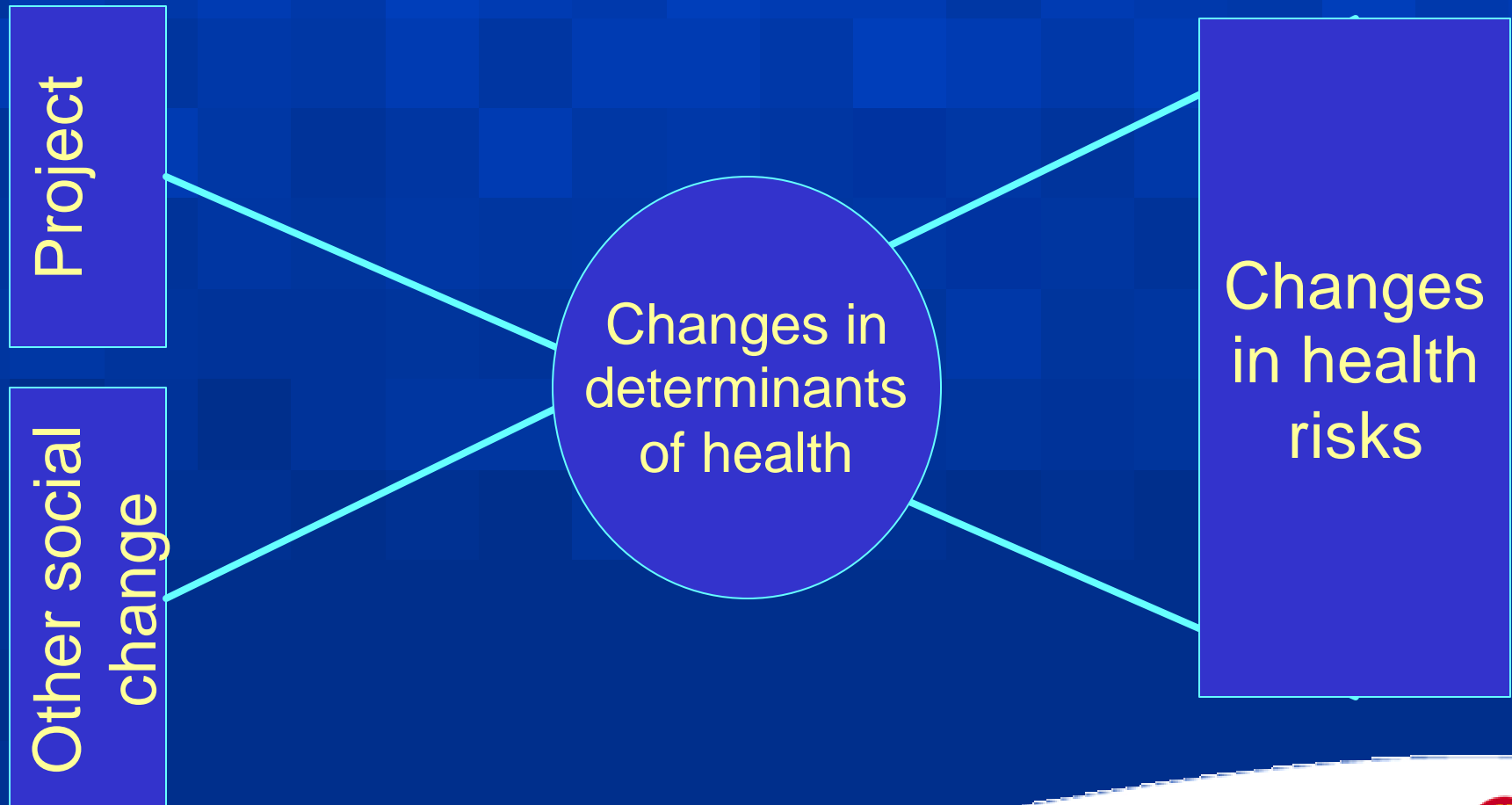


# HIA model

HAZARD

TOP  
EVENT

CONSEQUENCE



# Inside versus outside the fence

Health Risk  
Assessment



Health Impact Assessment





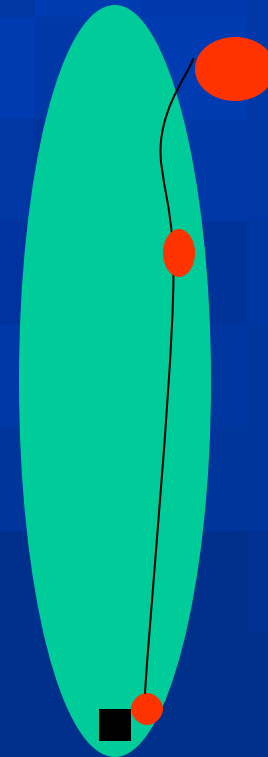
# Shell approximate statistics

- 135 countries
- 100,000 employees
- \$12 billion earnings pa
- \$12 billion investment pa
- >50,000 service stations
- World's largest branded retailer
- > 2000 companies or business units



# Sakhalin example

- Liquid Natural Gas and Oil
- Russia / Siberia / Pacific
- 800 Km
- Frozen
- 600,000 people
- Minimum wage \$10 per month
- Fishing, whales, earthquakes
- Prisons
- Constructors: 15,000
- [www.sakhalinenergy.com](http://www.sakhalinenergy.com)

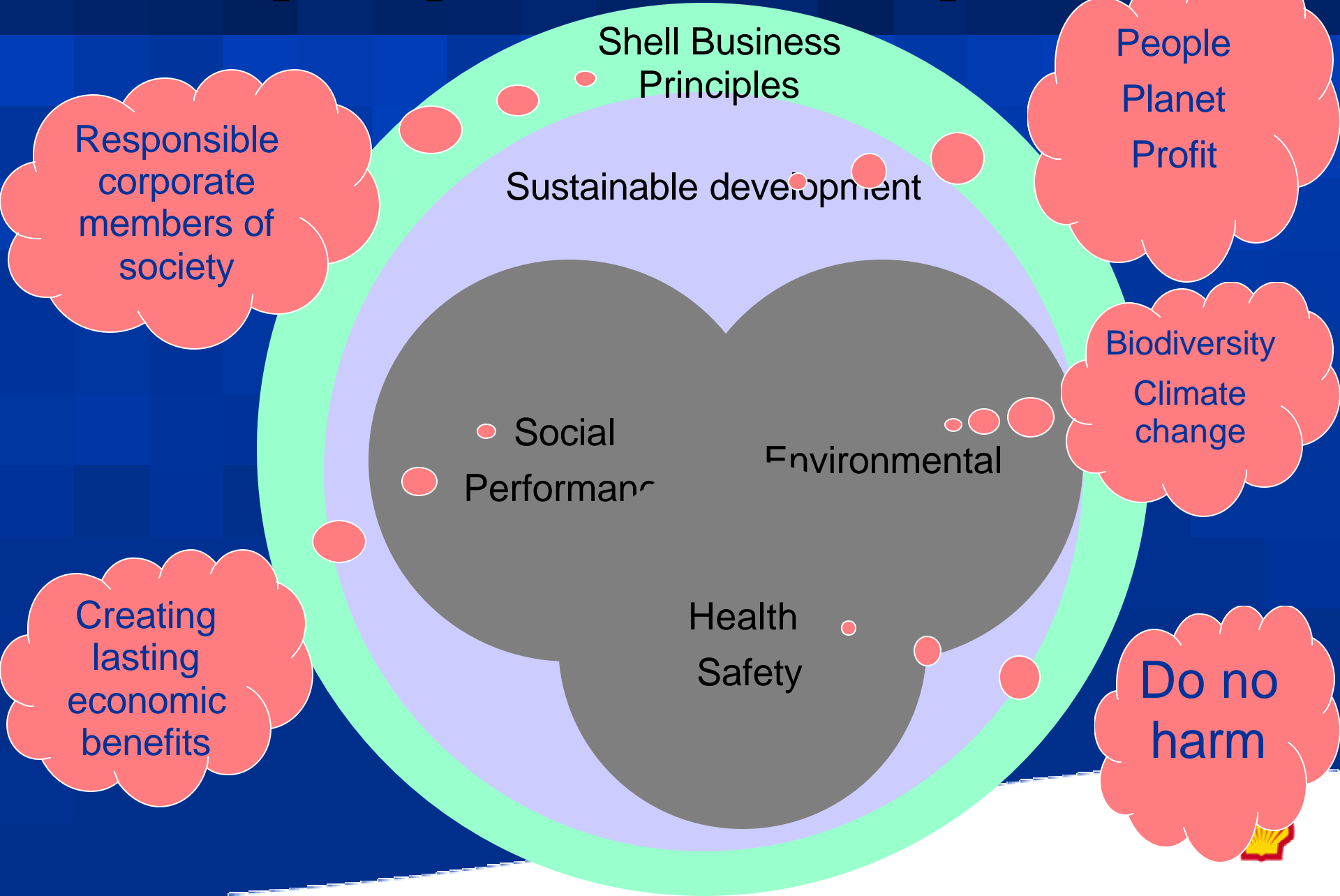


# External pressures for change

- Loss of public trust
  - ◆ Rhodesia/ S Africa, Brent Spar, N igeria, Reserves
  - ◆ Trust me - show me - involve me
- Social concern about sustainable development
- Equator principles – from lending banks
- Corporate Social Responsibility
  - ◆ A A A risk rating – cost of borrowing
- Ethical investment



# Policies, principles, standards and processes



# Business principles

- Conduct business as responsible corporate members of society
- Proper regard to health, safety and the environment
- Investment decisions not exclusively economic
- Constructive interest in societal matters which may not be directly related to the business

[www.shell.com/sgbp](http://www.shell.com/sgbp)



# Sustainable development

- 1997
- People – Planet – Profit
- Environment – Society – Economy



# Sustainable development

- To stay successful, find more sustainable ways to meet society's needs
- The global energy challenge
- Gradual shift to a low-carbon energy
- Lower the costs of alternatives like wind and solar
- Improve environmental performance
- Improve social performance
- Create new products
- Attract and motivate staff



# Jeroen van der Veer, February 2004

Q Isn't Shell listening too closely to environmentalists and activists, and not enough to its own shareholders?

A He disagreed – see notes for text





# Social Performance

- Creating lasting economic benefits
- Employing local people
- Using local contractors and suppliers
- Health enhancements



# The Group Commitment on HSE

Health, Safety, and Environment

- Pursue the goal of no harm to people
- Protect the environment
- Manage HSE as any other critical business activity



Do no harm



# “Do no harm”

- Minimum health management standards

HIA is mandatory whenever

- EIA or SIA
- Screening indicates a health concern for local communities/ workers/ families



# HSE management consists of

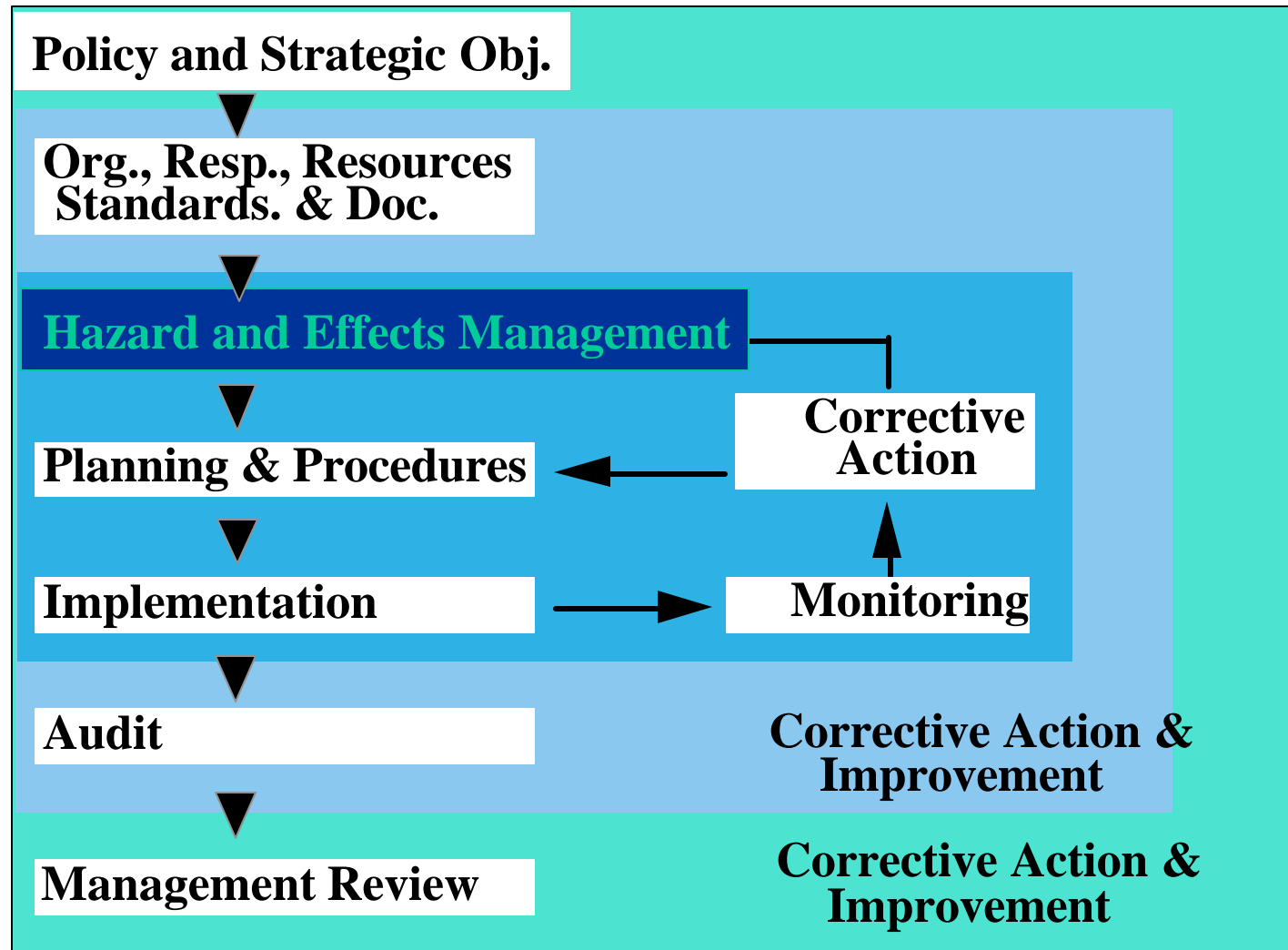
- HSE management system
- Hazards and Effect Management Process
- Minimum Health Management Standards



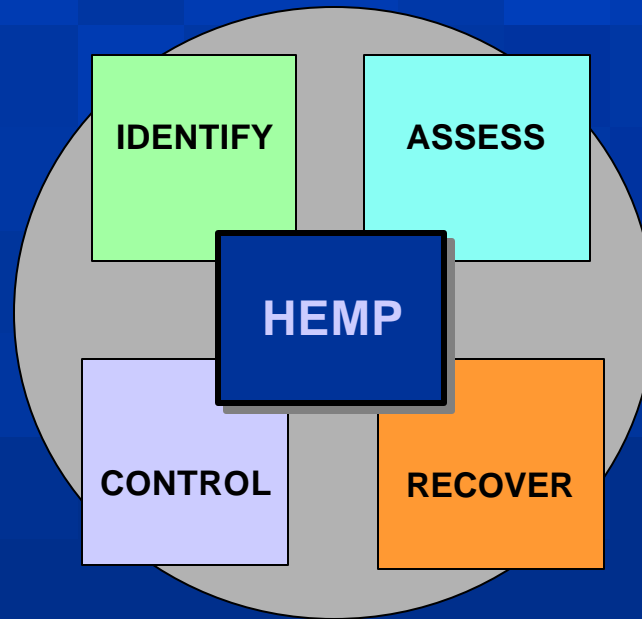
# Shell Health Safety Environment Management System

Shell Health Services

## Leadership and Commitment



# Hazards and effects management process



# Minimum Health Management Standards

1. Health risk assessment
2. Monitoring of health performance and incident reporting and investigation
- 3. Health Impact Assessment**
4. Human factors engineering in new projects
5. Product stewardship
6. Fitness to work
7. Local health facilities and medical emergency response



# Competency problem

- Internal competence
- External competence



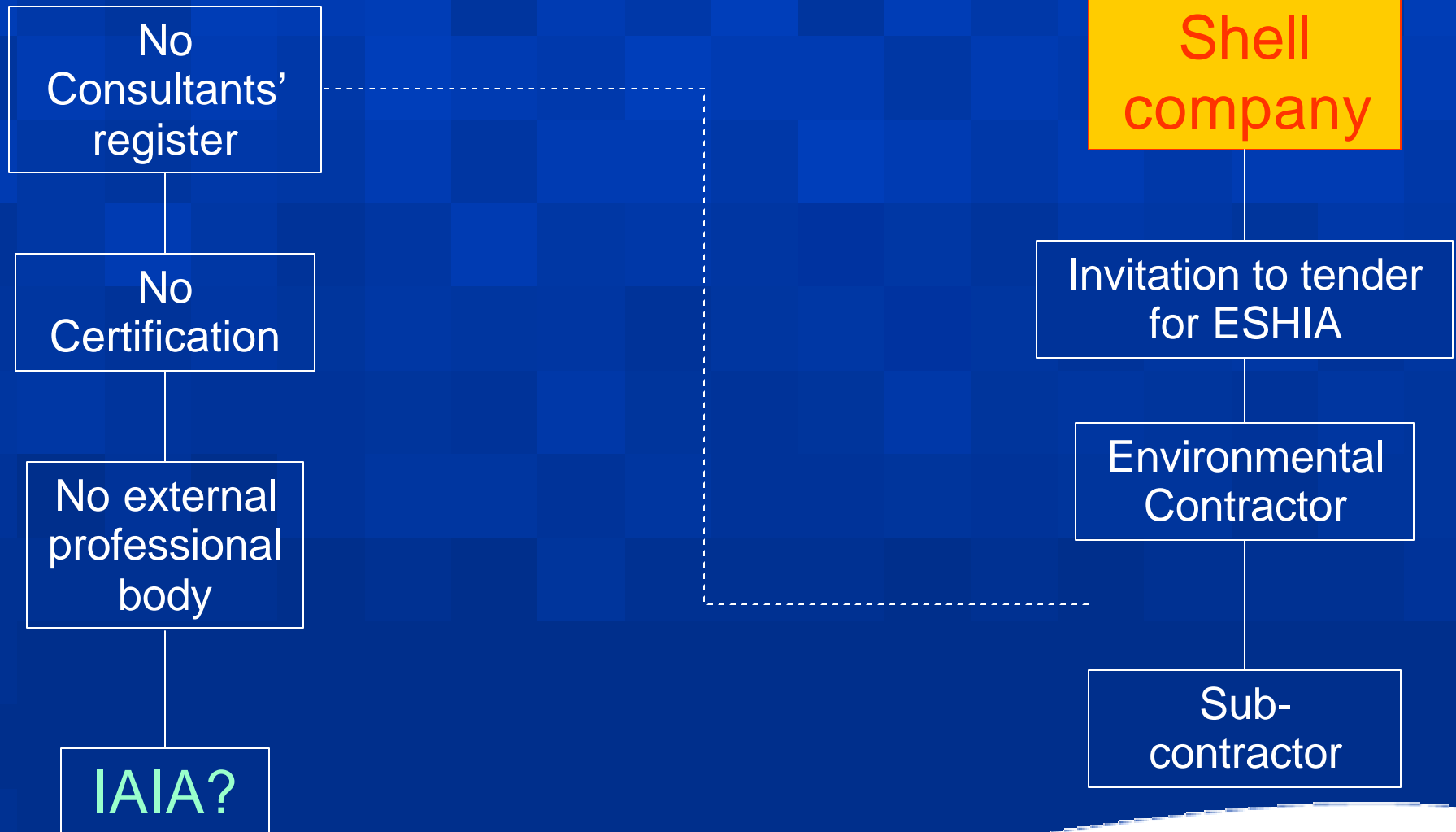


# Competency problem

- Under trained managers
- Under trained consultants
- Under trained reviewers



# Competency problem



# Competence solution - Internal

	How obtained	Uses
<b>Awareness</b>	<ul style="list-style-type: none"> <li>• Has carried out an HIA Awareness level learning course</li> <li>• or a reputable HIA one-day course, or equivalent</li> </ul>	Knows what needs to be managed
<b>Knowledge</b>	<ul style="list-style-type: none"> <li>• Meets the Awareness level criteria</li> <li>• Has completed a Knowledge level learning module, or equivalent</li> </ul>	Can screen projects Can manage the process Can explain HIA to a new recruit Can participate in HIA team
<b>Skilled</b>	<ul style="list-style-type: none"> <li>• Meets the Knowledge level criteria</li> <li>• Has attended a three day HIA training course, or equivalent</li> <li>• Has participated in at least 3 HIAs under supervision</li> </ul>	Can lead an HIA Can interact with members of the social and environmental teams
<b>Mastery</b>	<ul style="list-style-type: none"> <li>• amiliar with state-of-the-art</li> </ul>	Able to adapt HIA to new situations

# Competence solution - External

- Impact Assessment Contractors won't win bids unless they can demonstrate competence to do HIA



# Competency objective

- Internal competence criteria
- Invitation to bid specifies competence
- Shell managers can judge competence
- Professional body regulates competence
- External institutions offer training courses that meet needs of energy sector
- Contractors send staff on courses in order to qualify to bid



# Conclusion

As HIA becomes mainstream  
international competence  
standards are needed



# References

- Impact assessment guidelines, HIA module EP 95-0372
- Guidance on integrated impact assessment EP 95-0378
- Impact assessment guidelines, SIA module EP 95-0371
- Statement of general business principles  
[www.shell.com/sgbp](http://www.shell.com/sgbp)
- Minimum health management standards  
[www.shell.com](http://www.shell.com) > about Shell > Environment and Society

