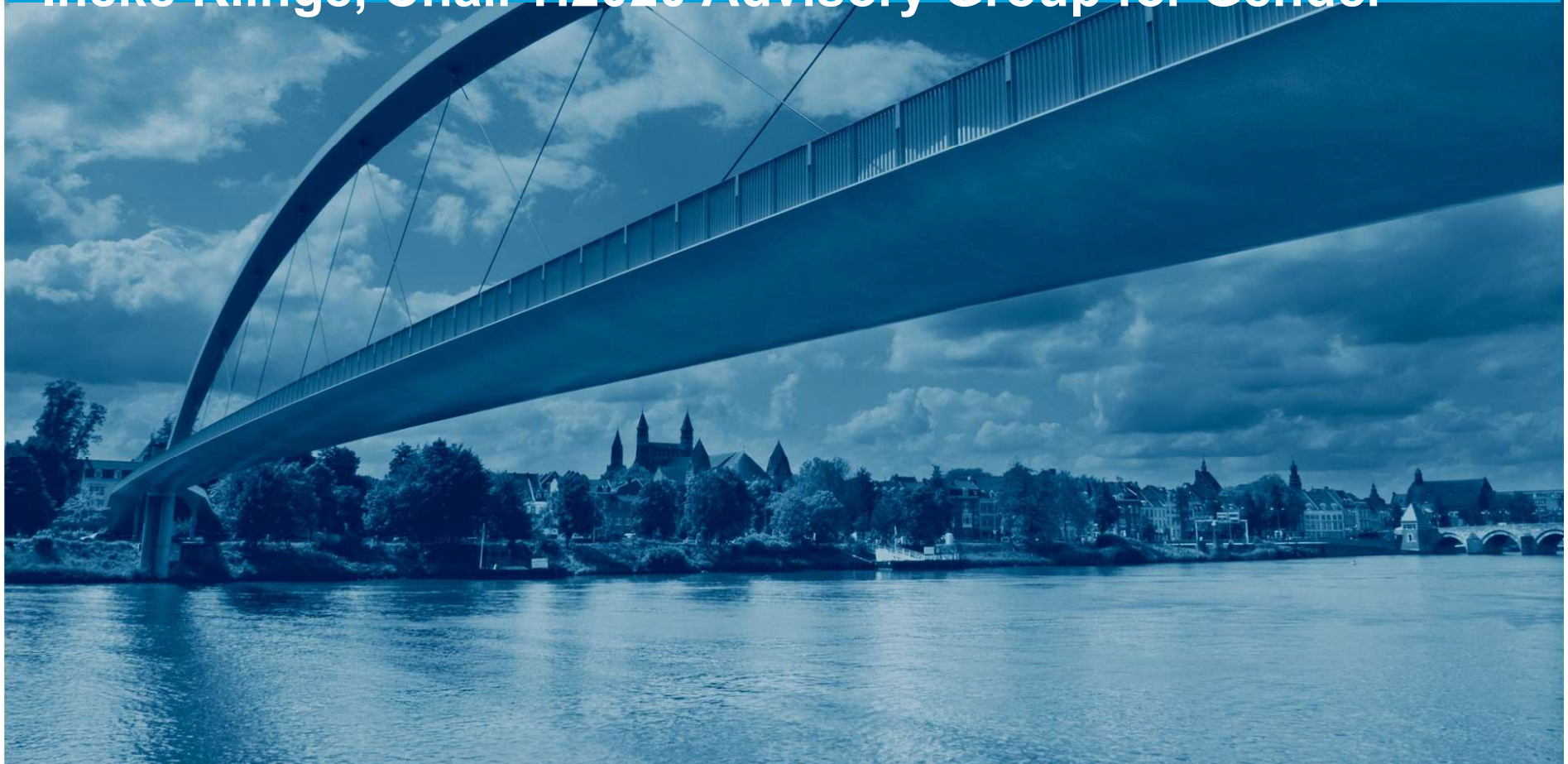




**Maastricht University** *Leading in Learning!*

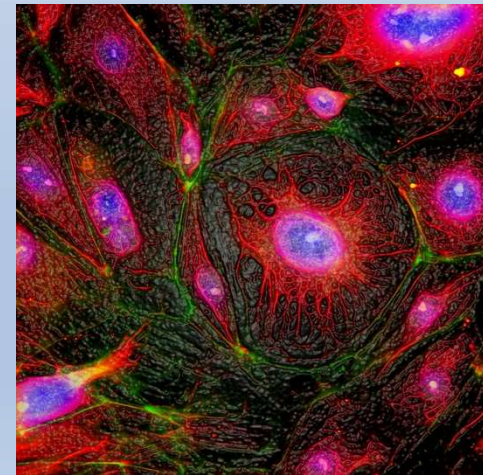
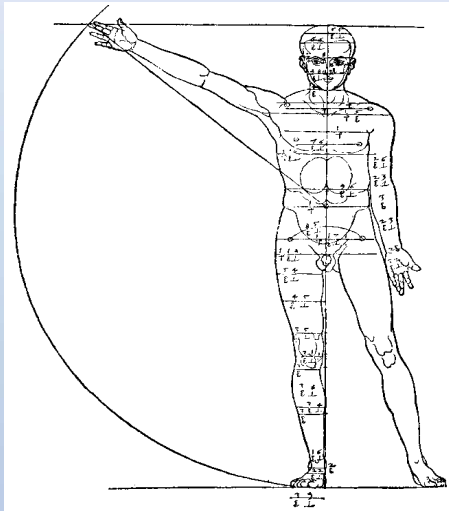
**Gendersensitieve innovaties in gezondheid en  
gezondheidszorg vanuit international perspectief  
Drachten 7 Februari 2019  
Ineke Klinge, Chair H2020 Advisory Group for Gender**



# Inhoud

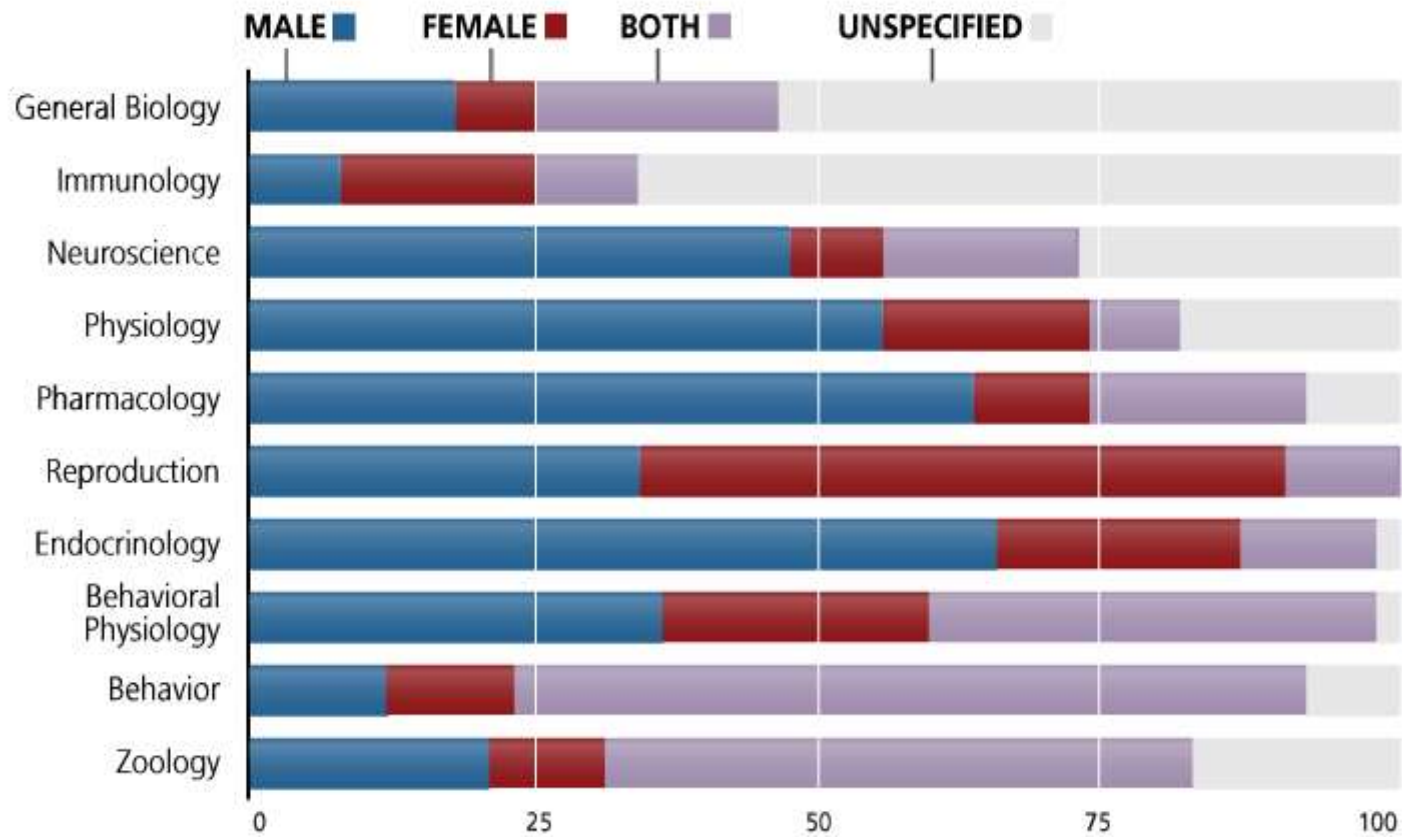
- Waarom gendersensitieve innovatie nodig ?
- Wie vraagt er om ?
- Wat betekent dat voor onderzoek doen?
- Wat levert het op?

# Veel onderzoek vond/vindt plaats bij mannetjes / mannen



## Proportion of Research Studies Using Male and/or Female Animals

From published journal articles within specified biomedical subfield, 2009



Adapted from Beery et al., 2011

Beery, A., & Zucker, I. (2011). Sex Bias in Neuroscience and Biomedical Research. *Neuroscience and Biobehavioral Reviews*, 35 (3), 565-572.

## Waarom was/is dat schadelijk?

- *Science* (26.3.2010): Between 1997 and 2000, 10 drugs were withdrawn from the U.S. market because of life-threatening health effects—8 of those showed greater severity in women.

# Sekse en gender als determinanten van ziekte en gezondheid

- Differences between women and men (known from epidemiological data)
- In need of explanation
- New paradigm: Every cell is sexed, every person is gendered

# SEKSE en GENDER

- Sex: biological attributes of humans and animals, including physical features, chromosomes, gene expression, hormones and anatomy
- Gender: socially constructed roles, behaviours, expressions and identities of girls, women, boys, men and gender diverse people.



# GENDER

Socially-constructed roles, behaviours, expressions and identities of girls, women, boys, men and gender diverse people.



# SEX

Biological attributes of humans and animals, including physical features, chromosomes, gene expression, hormones and anatomy.



Have you considered the possibilities?

Learn more: [www.cihr-irsc.gc.ca/shapingscience.html](http://www.cihr-irsc.gc.ca/shapingscience.html)



Canadian Institutes of Health Research

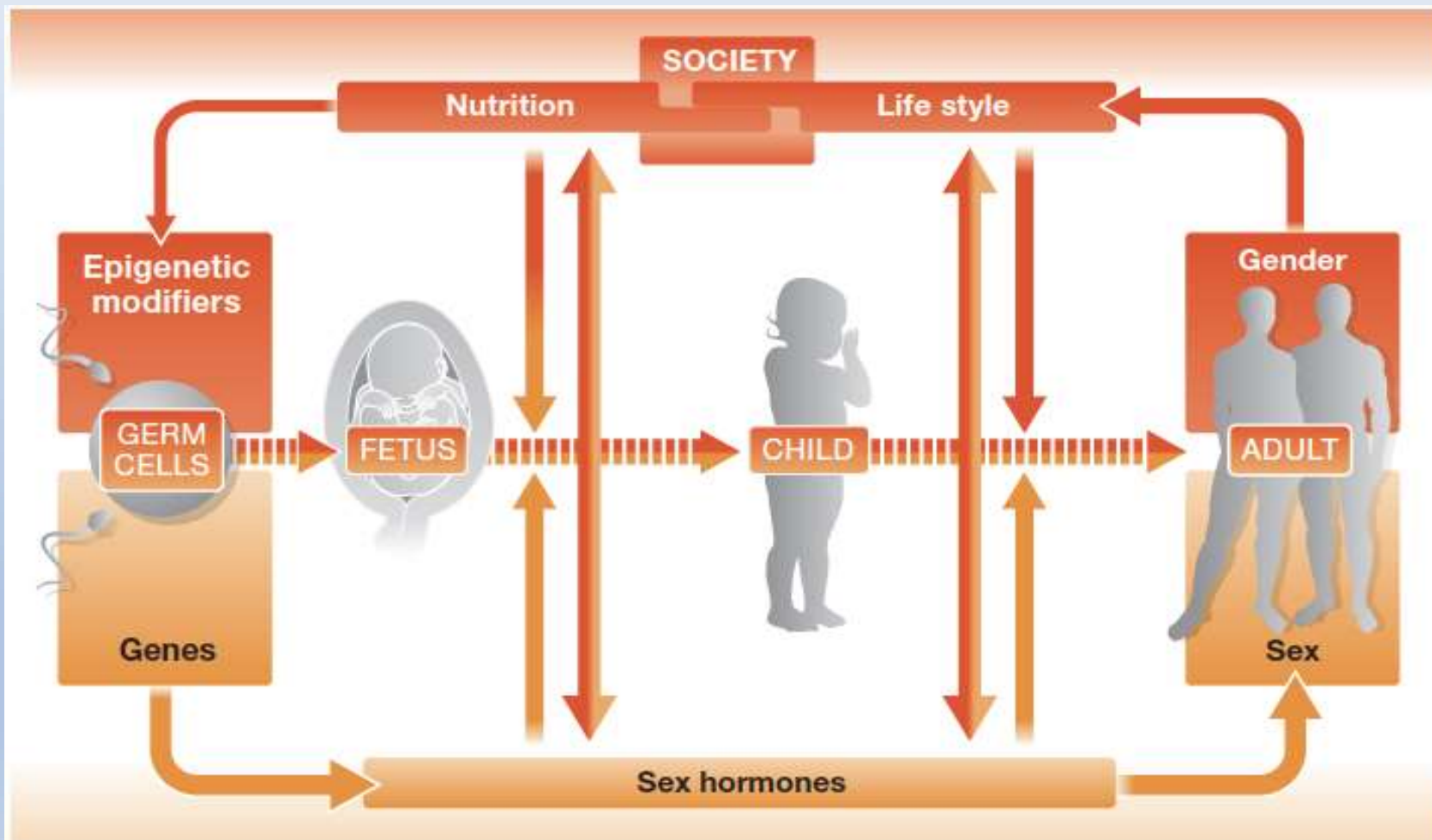
Instituts de recherche en santé du Canada

Canada



# Sex and Gender Interact

Regitz-Zagrosek, V. (2012). Sex and Gender Differences in Health. *EMBO Reports*, 13 (7): 596-603.



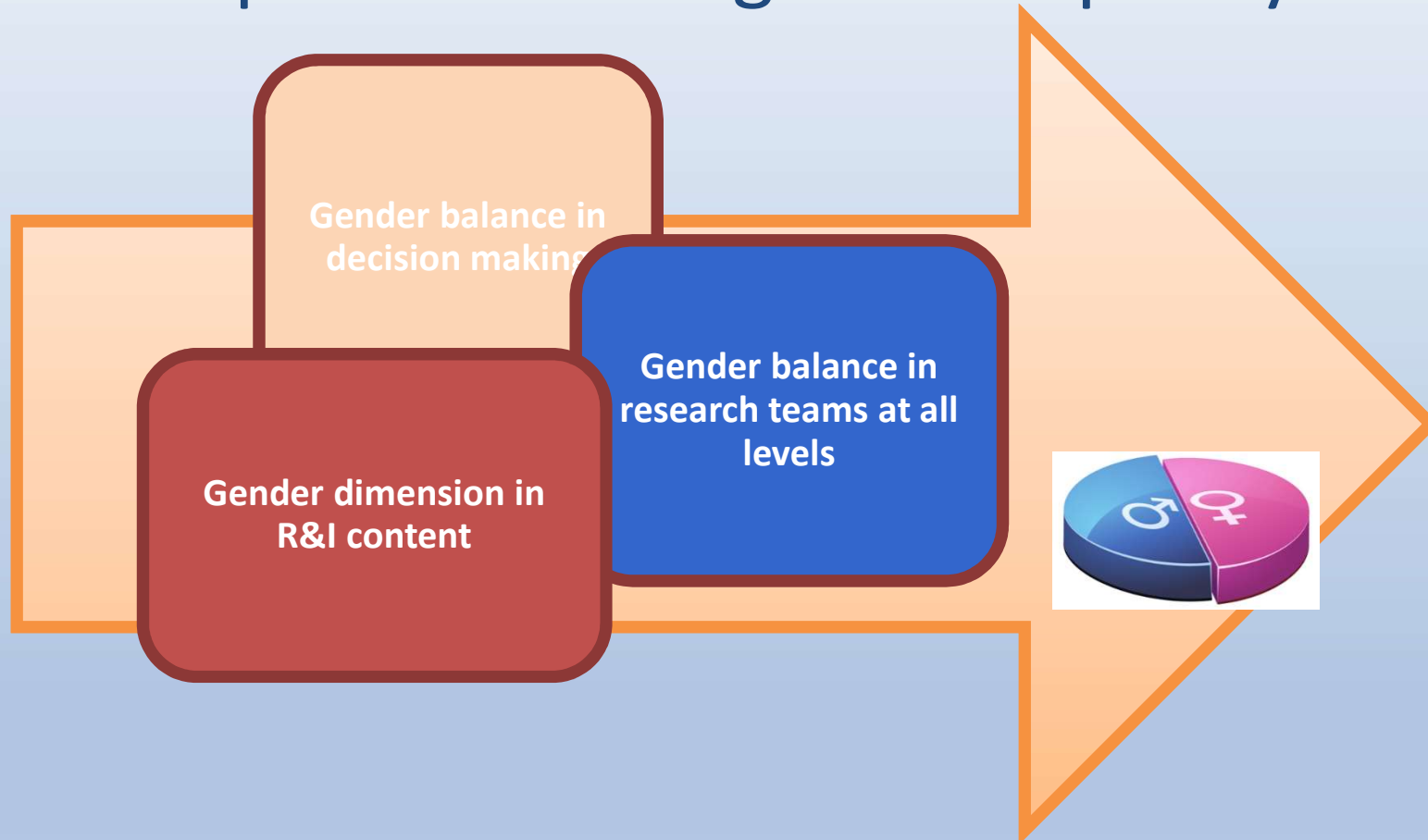
# Samengevat

- End of the 'One size fits all'
- Making research and innovation more responsible to the different needs of men and women
- Taking into account factors intersecting with sex and gender such as age, SES, ethnicity, sexual orientation et. al.
- [https://www.youtube.com/watch?v=s\\_fJ45JUzjg](https://www.youtube.com/watch?v=s_fJ45JUzjg)

# Wie vraagt om aandacht voor sekse en gender in onderzoek ?

- 2002 European Commission, FP6 onwards
- 2010 IGH, Canada
- 2014 NIH, US
- 2016 Dutch ZonMW, Gender& Health Programme

# EU policy: 3 objectives for the promotion of gender equality



# Gebruikte argumenten

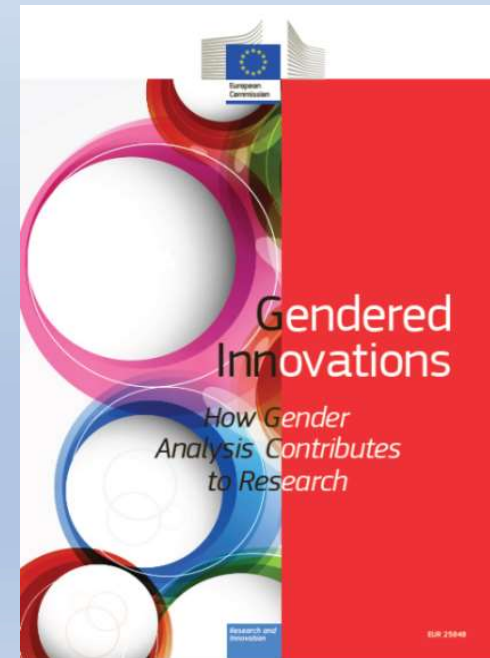
- EU: verbetering van de wetenschappelijke kwaliteit en de sociale relevantie van de geproduceerde kennis, technologie en innovatie
- IGH : verbetering van de robuustheid, reproduceerbaarheid en generaliseerbaarheid van wetenschap. Kwestie van excellentie
- NIH: nieuwe standaard voor reproduceerbaarheid door robuustheid en transparantie
- NL: terugdringen van gezondheidsverschillen tussen mannen en vrouwen door lacunes in kennis te dichten

# Integratie van sekse en gender analyse, EU acties

- Expert Group Innovation through Gender 2011-2013 Gendered Innovations in Science, Health & Medicine, Engineering and Environment project.
- H2020 Advisory Group for Gender (2014-

# Gendered Innovations project

- To provide researchers with tools to take account of the gender dimension
- To formulate a positive programme that inspires researchers
- To highlight how sex and gender analysis sparks creativity and fosters new knowledge





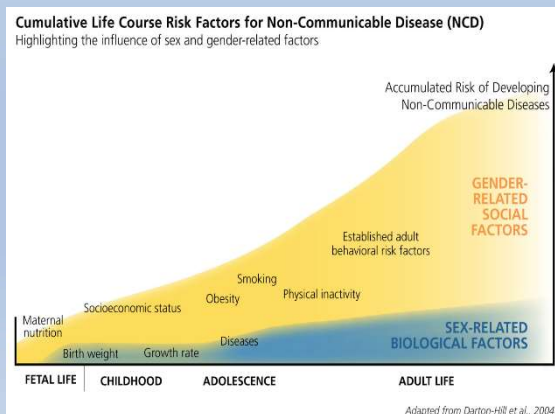
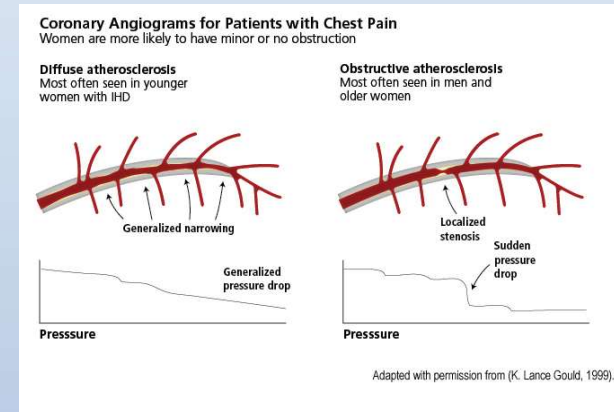
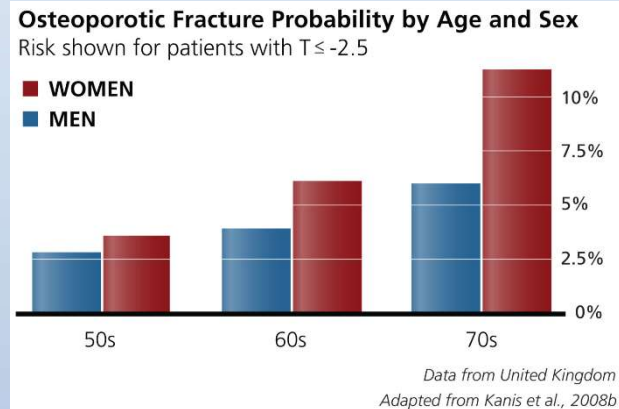
# Gendered Innovations project

1) developed state-of-the-art **Methods** of sex and gender analysis

2) provided **Case Studies** to illustrate how sex and gender analysis leads to discovery

<https://genderedinnovations.stanford.edu/>

# Gendered Innovations case studies, H2020 wide



# H2020 Advisory Group for Gender

- Advisory Group for Gender: created 2014
- Composition: delegates from all H2020 advisory groups
- Mandate: to provide advice to the Commission Services on integration of the gender dimension in research and innovation content.
- Meetings: 2- 3 times per year
- Governance: Ineke Klinge, chair; Maria Stratigaki, vice-chair; Suzanne de Cheveigné, rapporteur

# Products

- Guidance for the selection of experts with gender expertise (2014)
- Two position papers: For a better integration of the gender dimension in work programme 2016-17 and 2018-20. Gender-flagged topics
- Workshop on Implicit gender biases during evaluations: how to raise awareness and change attitudes? (report)(2017)

# Suggesties

- Personalized medicine
- Gezond en actief ouder worden
- Preventie zie ook inventarisatie ZonMw  
<https://publicaties.zonmw.nl/gender-en-preventie/>

# Role of science funding bodies

Panel at GenderSummit  
#11, Montreal, nov 7, 2017

“Sex- and Gender-Based  
Analysis+ (SGBA+);  
Integration through Science  
Policies: Carrots and Sticks”

Janine Clayton ( NIH)

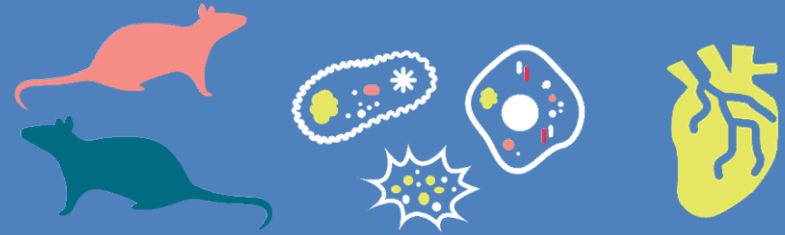
Cara Tannenbaum (IGH)

Ineke Klinge (H2020 & G&H, NL)



# 3 ONLINE TRAINING MODULES

## ① Biomedical Research



## ② Primary Data Collection with Human Participants



## ③ Secondary Data Analysis of Human Participants





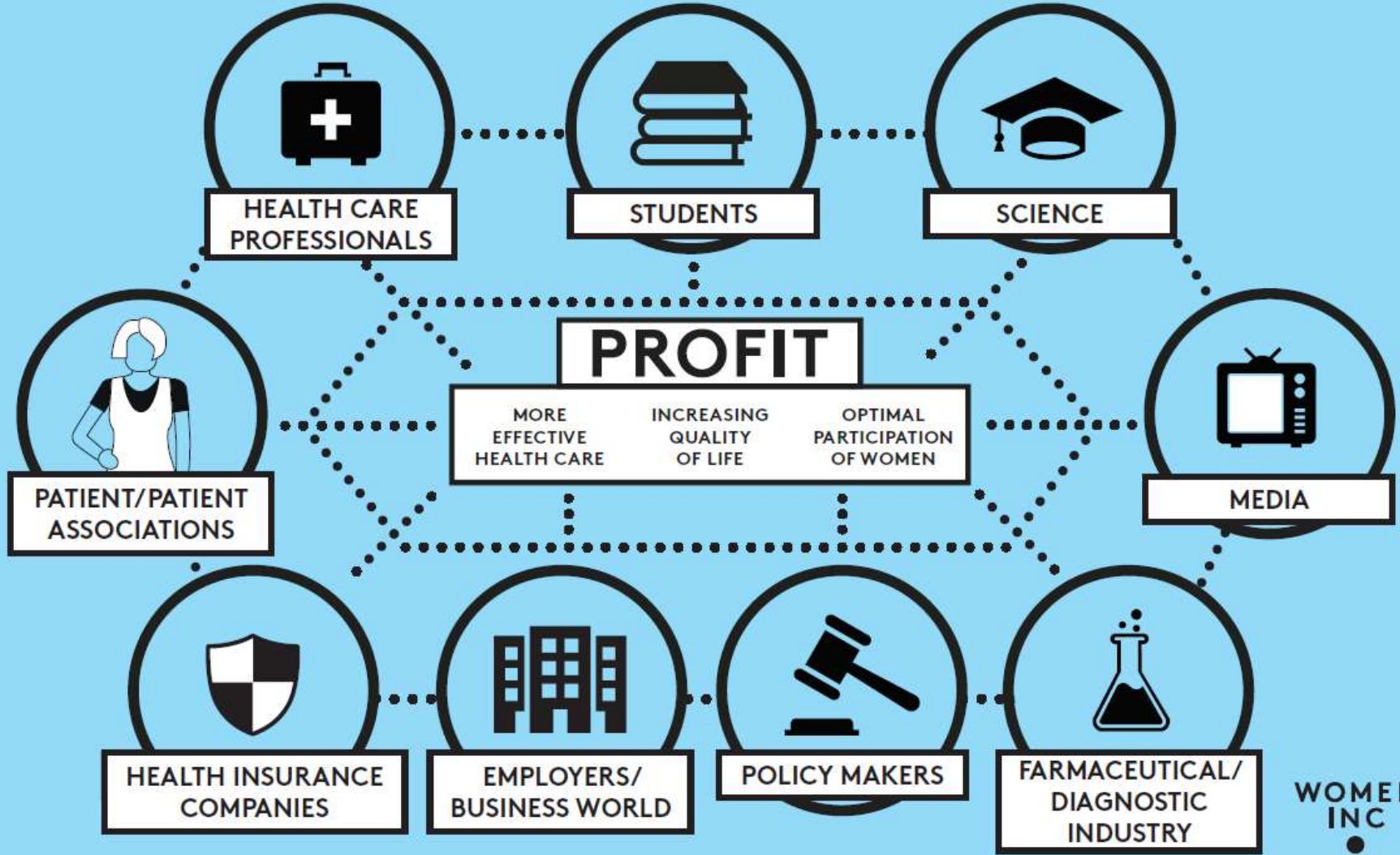
# Dutch Gender & Health Programme

- Result of Alliance for Gender and Health 2013-2017. A multistakeholder collaboration
- Research Programme Gender & Health, funded by the Ministry of Health 2016, 4yrs, 12 million euro
- Bottom-up process, no legal framework
- Advocacy by Women Inc

# Congres gender & gezondheid, 5 oktober 2017



# TOWARDS MORE EFFECTIVE AND QUALITATIVE HEALTH CARE FOR EVERYBODY







+

HEALTHCARE IS BASED  
ON THE MALE BODY

# TREAT ME LIKE A LADY

WOMEN  
INC  
●



A truly innovative  
science needs  
inspiring new  
methods



# Take home messages

- Voor een inclusieve wetenschap zijn innovatieve methoden van onderzoek doen absoluut noodzakelijk. Dat betekent dat goed onderzoek aandacht besteedt aan sekse, gender en andere sociale posities zoals etniciteit, SES, seksuele oriëntatie etc.
- Alle stakeholder zijn nodig: onderzoekers, financiers, peer reviewers, tijdschrift editors en opleidingstrajecten

# Thank you for your attention

- Questions?
- Comments?
- Opgericht in 2017 Nederlandse Vereniging Gender en Gezondheid NVG&G  
[www.genderengezondheid.nl](http://www.genderengezondheid.nl)
- 2e congres op 29 Mei 2019, Amsterdam.  
Sex, Gender & Pain



# Resources

Website Gendered Innovations project

[http://ec.europa.eu/research/swafs/gendered-innovations/index\\_en.cfm?pg=home](http://ec.europa.eu/research/swafs/gendered-innovations/index_en.cfm?pg=home)

Report How gender analysis contributes to research

[http://ec.europa.eu/research/science-society/document\\_library/pdf\\_06/gendered\\_innovations.pdf](http://ec.europa.eu/research/science-society/document_library/pdf_06/gendered_innovations.pdf)

Londa Schiebinger & Ineke Klinge (2015) Gendered Innovation in Health and Medicine. In: *Gender Journal for Gender, Culture & Society*: 7(7) 29-50

<http://budrich-journals.de/index.php/gender/article/view/19311>

Implicit gender biases during evaluations: how to raise awareness and change attitudes?(2017)

[http://ec.europa.eu/research/swafs/pdf/pub\\_gender\\_equality/report\\_on\\_implicit\\_gender\\_biases\\_during\\_evaluations.pdf](http://ec.europa.eu/research/swafs/pdf/pub_gender_equality/report_on_implicit_gender_biases_during_evaluations.pdf)

AGG Position paper 2015. For a better integration of the gender dimension in H2020 work programme 2016-17

<http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetailDoc&=16350&no=1>

AGG Position paper 2016 For a better integration of the gender dimension in H2020 work programme 2018-20

<http://ec.europa.eu/transparency/regexpert/index.cfm?do=groupDetail.groupDetailDoc&=28824&no=1>

# More Resources

## **IGAR tools**

<http://igar-tool.gender-net.eu/en>

## **ORWH**

- FAQs about SABV policy:
- <https://orwh.od.nih.gov/research/sex-gender/nih-policy/faq/>
- <https://nexus.od.nih.gov/all/tag/sabv/>
  
- Videos on Methods and Techniques:
- <https://orwh.od.nih.gov/research/sex-gender/methods-and-techniques/>

## **IGH**

- Videos and Webinars:
- <http://www.cihr-irsc.gc.ca/e/49347.html>
- Instructions for Peer Reviewers:
- <http://www.cihr-irsc.gc.ca/e/50837.html>  
<https://www.youtube.com/watch?v=Hlceez1Dx5E&index=1&list=PL6hlpNDF2-NUIAX5AfUzs72esOD28bPQJ>