

# Open access citation advantage: An analysis of publication trends of South African researchers

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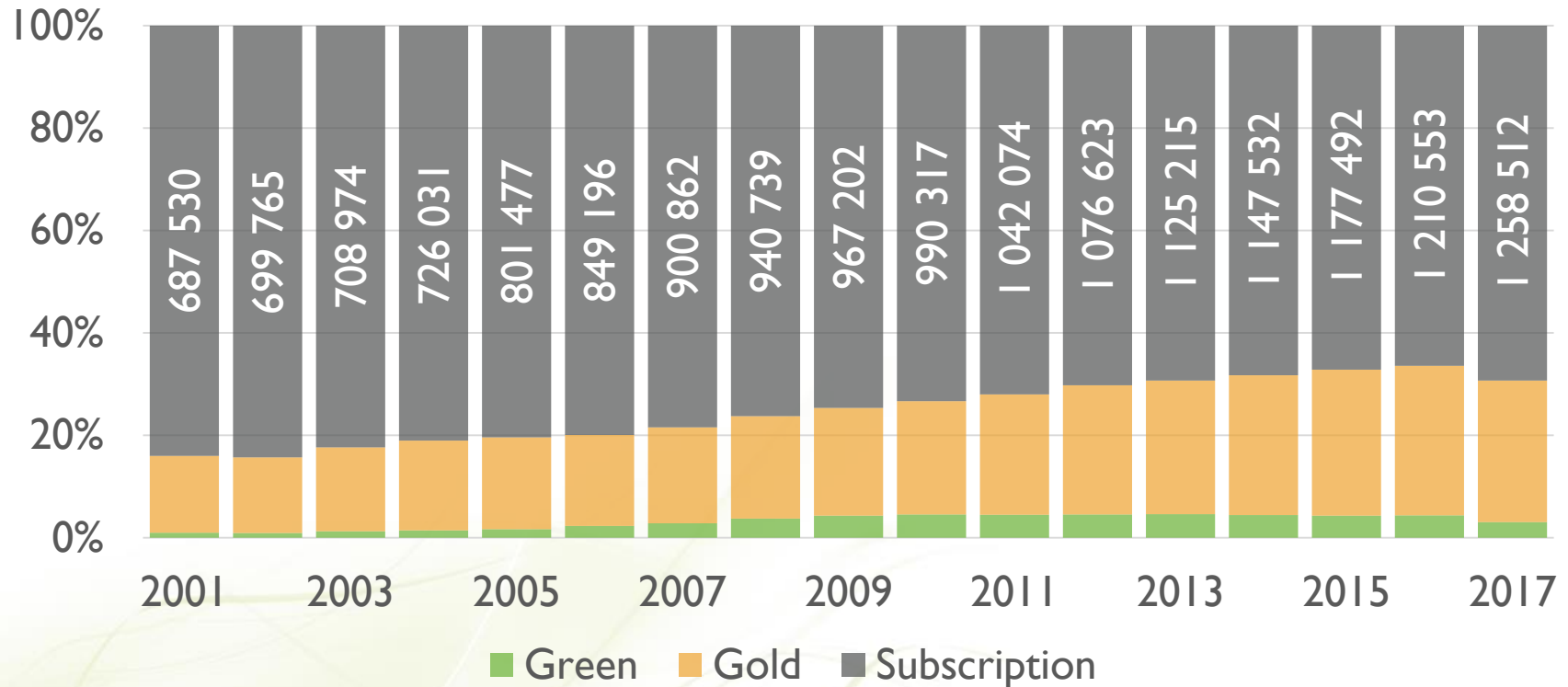
# Background

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- Data source:
  - WoS: Micro data
- Document types:
  - research articles
  - review articles
- World and South Africa:
  - Distribution of OA articles
  - Two measures of citation advantage

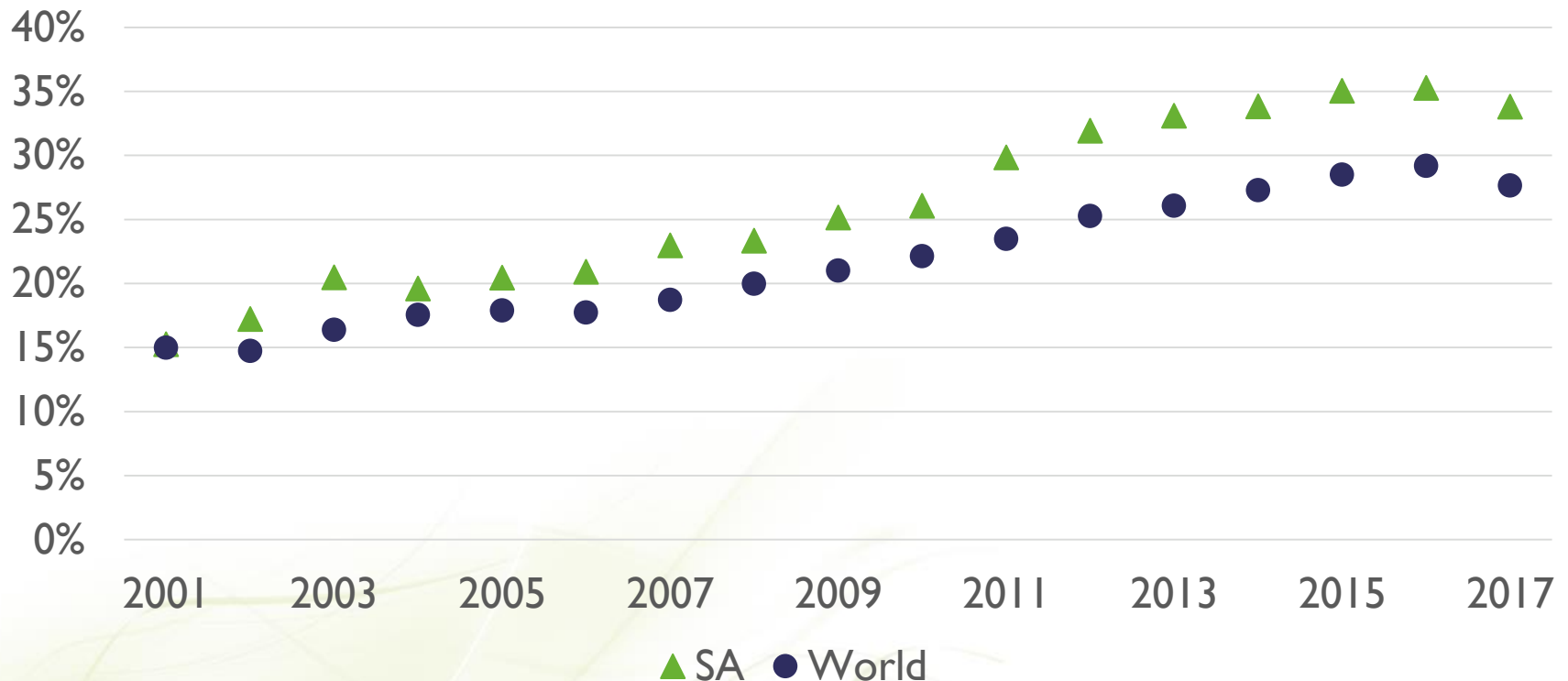
# Green, gold, and subscription articles

Distribution of access type of articles indexed in WoS



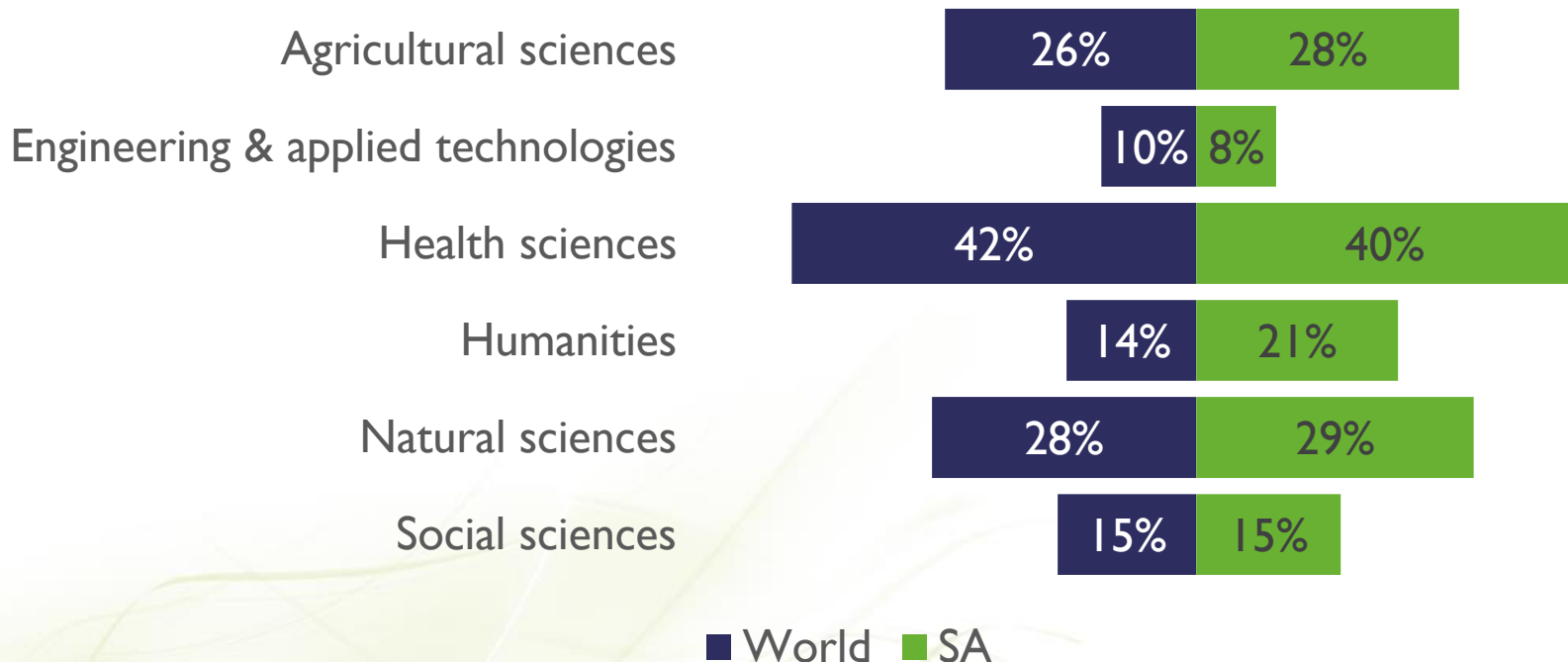
# Comparing South Africa with the World

Percentage of articles that is gold open access



# Subject areas and percentage OA articles

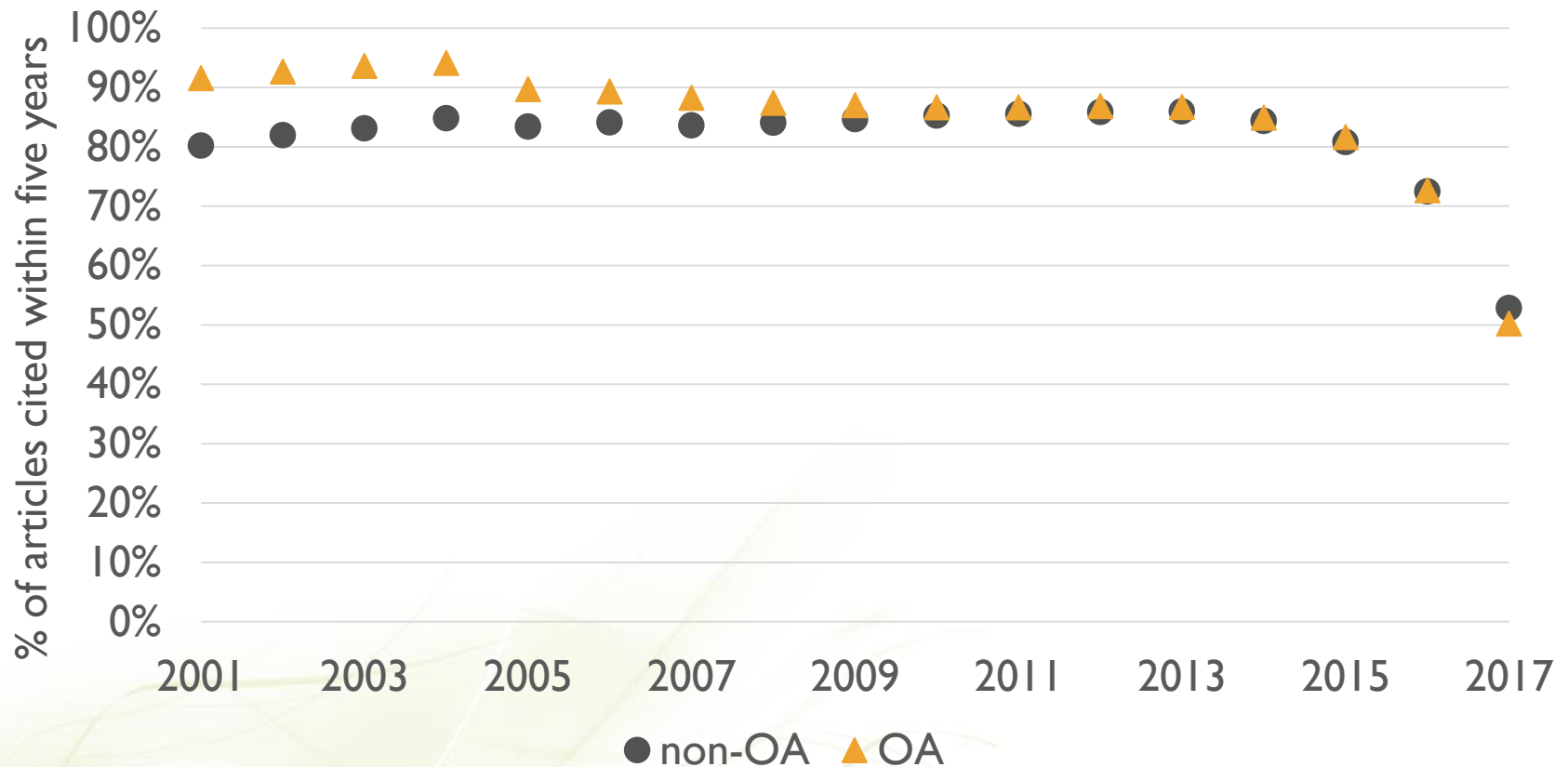
Percentage of articles in each field that is gold open access (2005 – 2015)



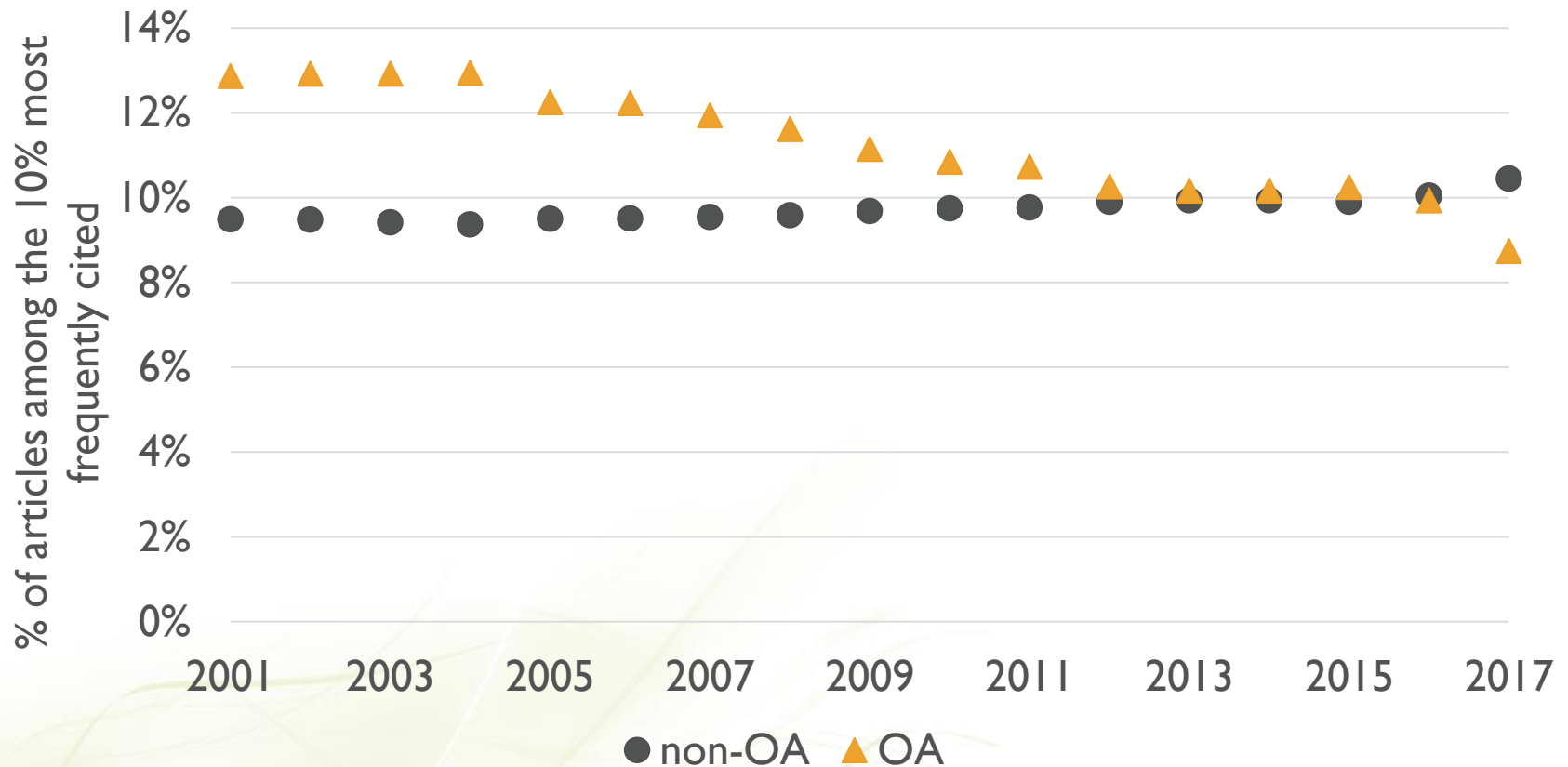
Percentage cited at all and percentage cited the most frequently

# Measuring citation advantage

# Whole WoS: Cited articles



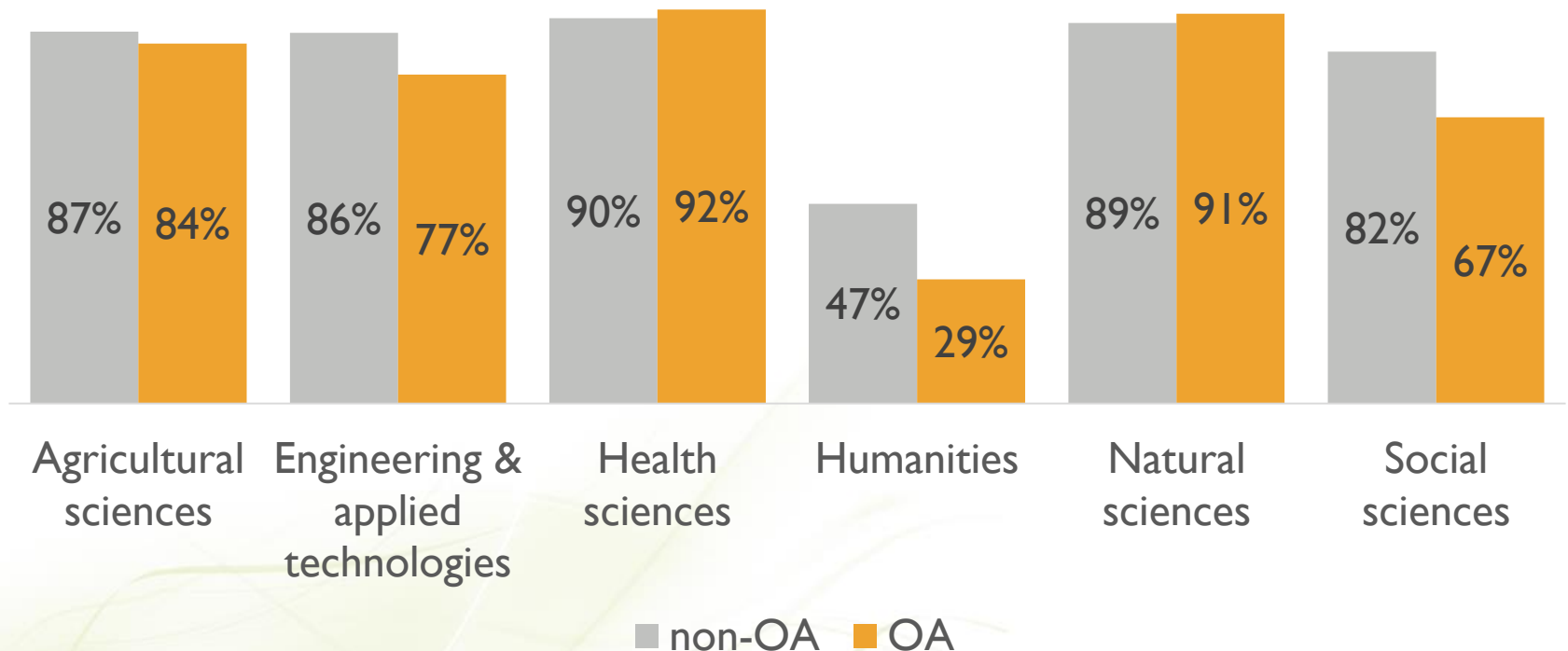
# Whole WoS: Most frequently cited articles





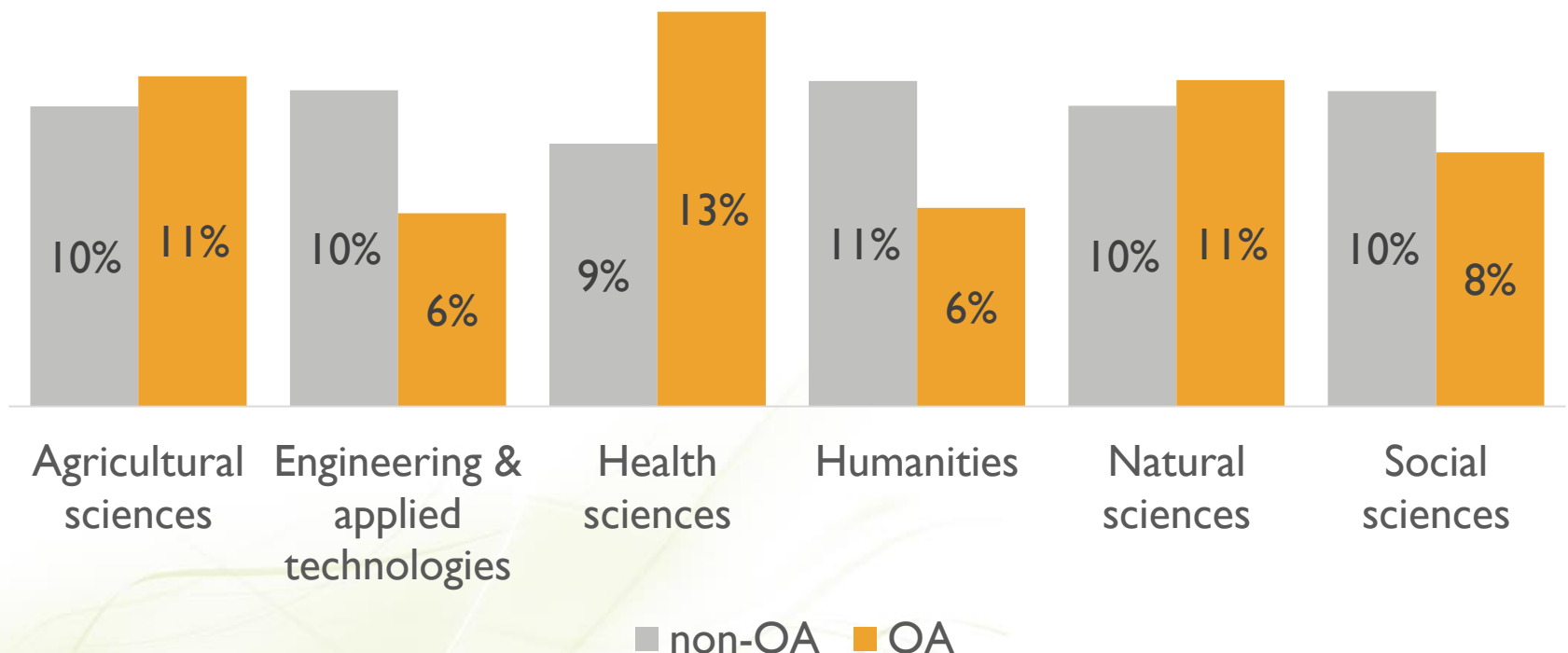
# WoS: Non-OA vs OA % articles cited

% articles cited within first five years after publication (2005 – 2015)



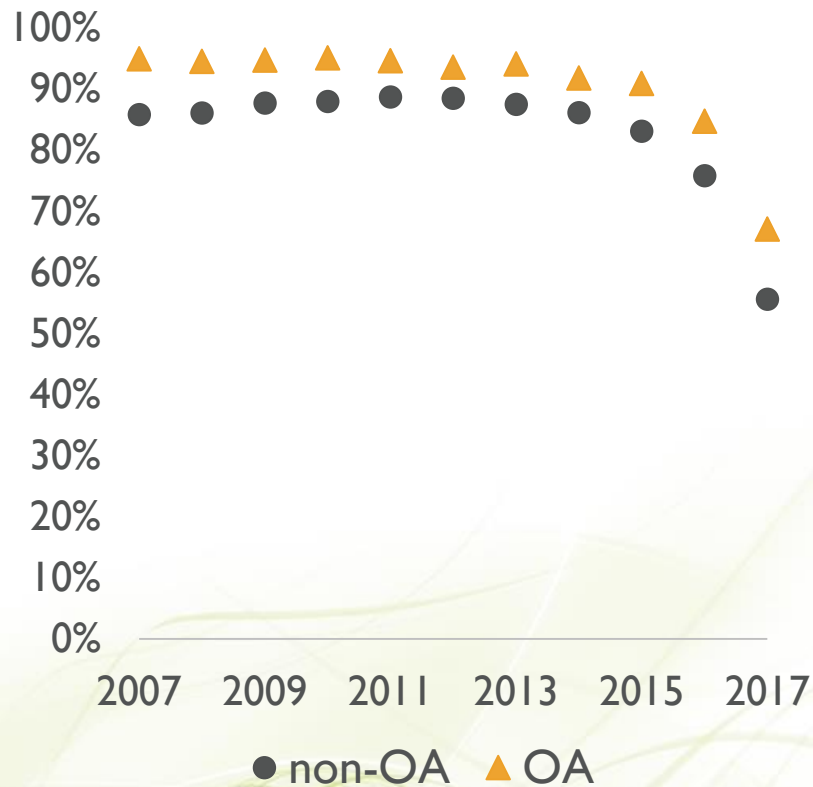
# WoS: Non-OA vs OA most frequently cited articles

% of articles among the 10% most frequently cited (2005 – 2015)

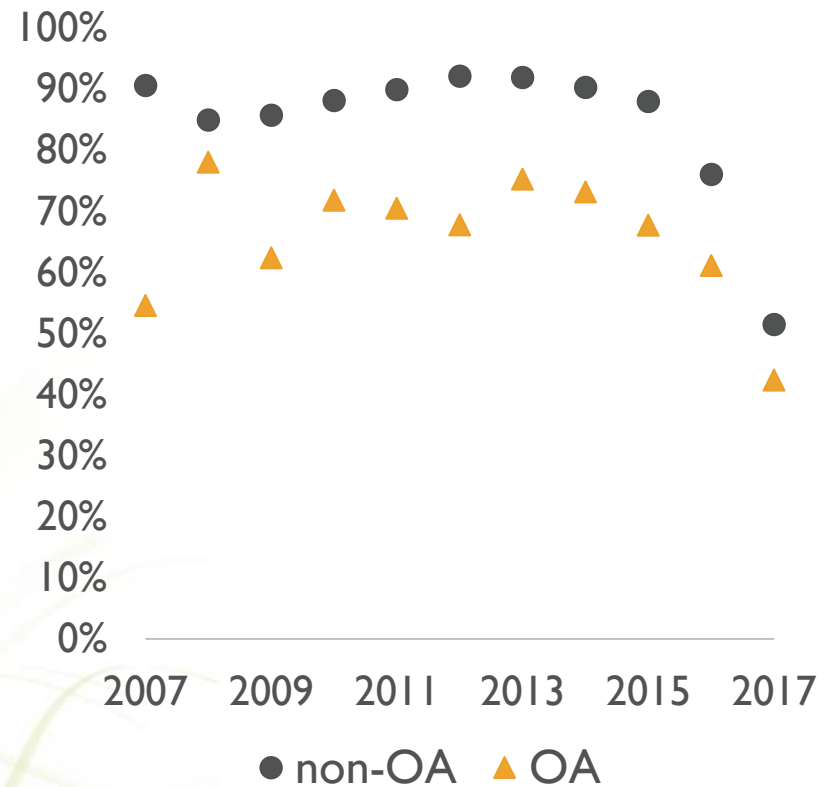


# Subject area example: Cited %

## Optics

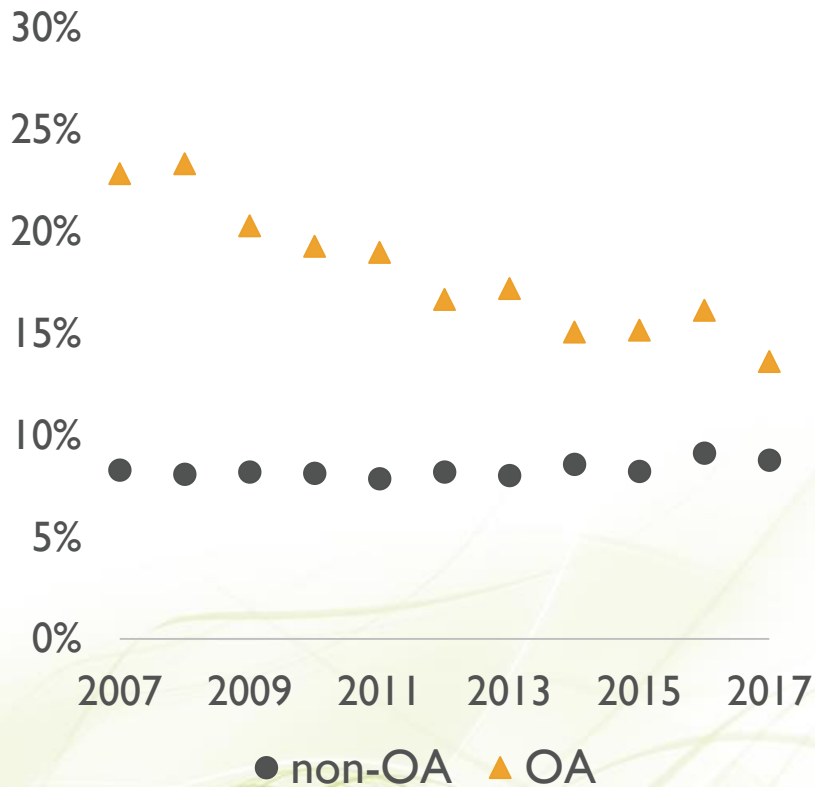


## Robotics

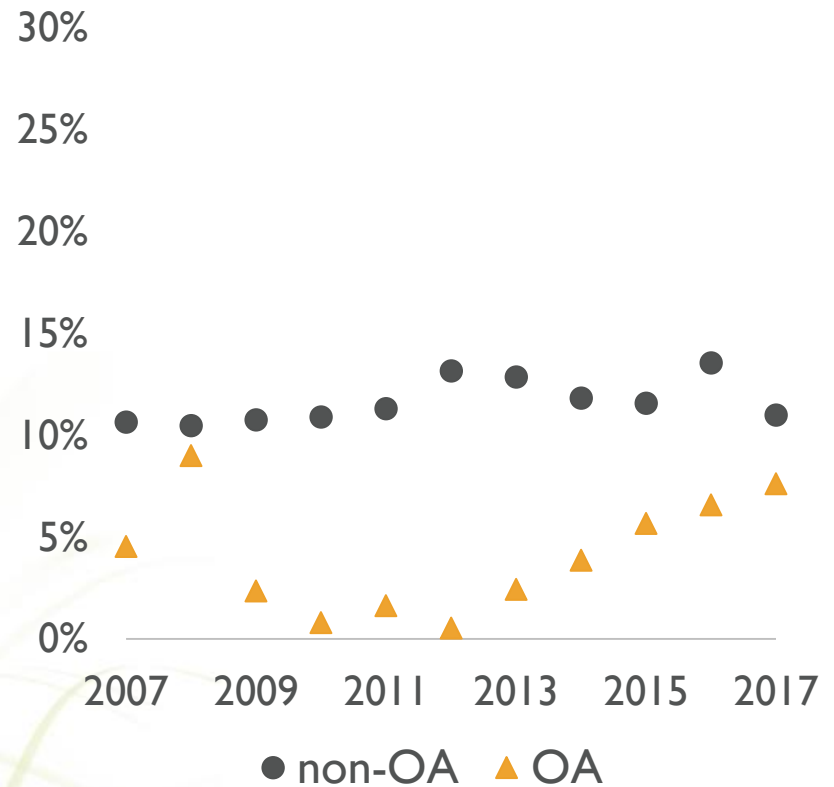


# Subject area example: 10% most cited

## Optics

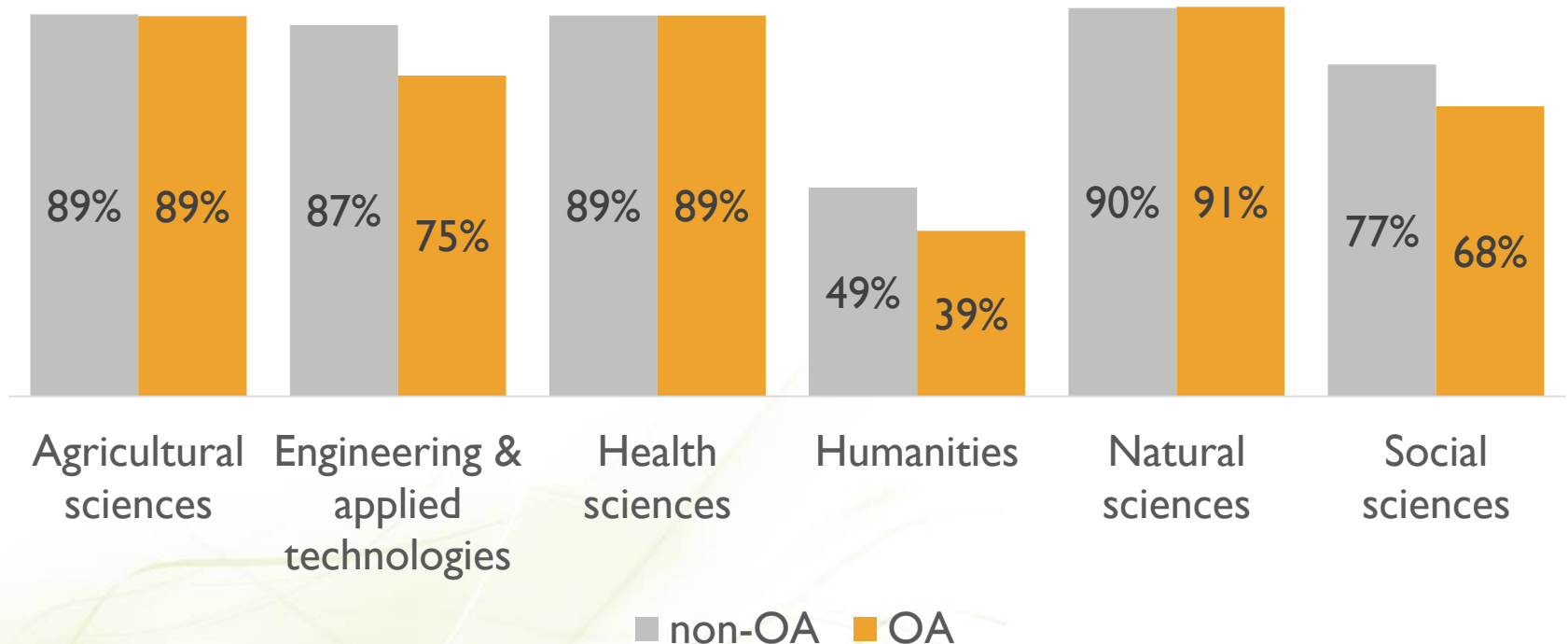


## Robotics



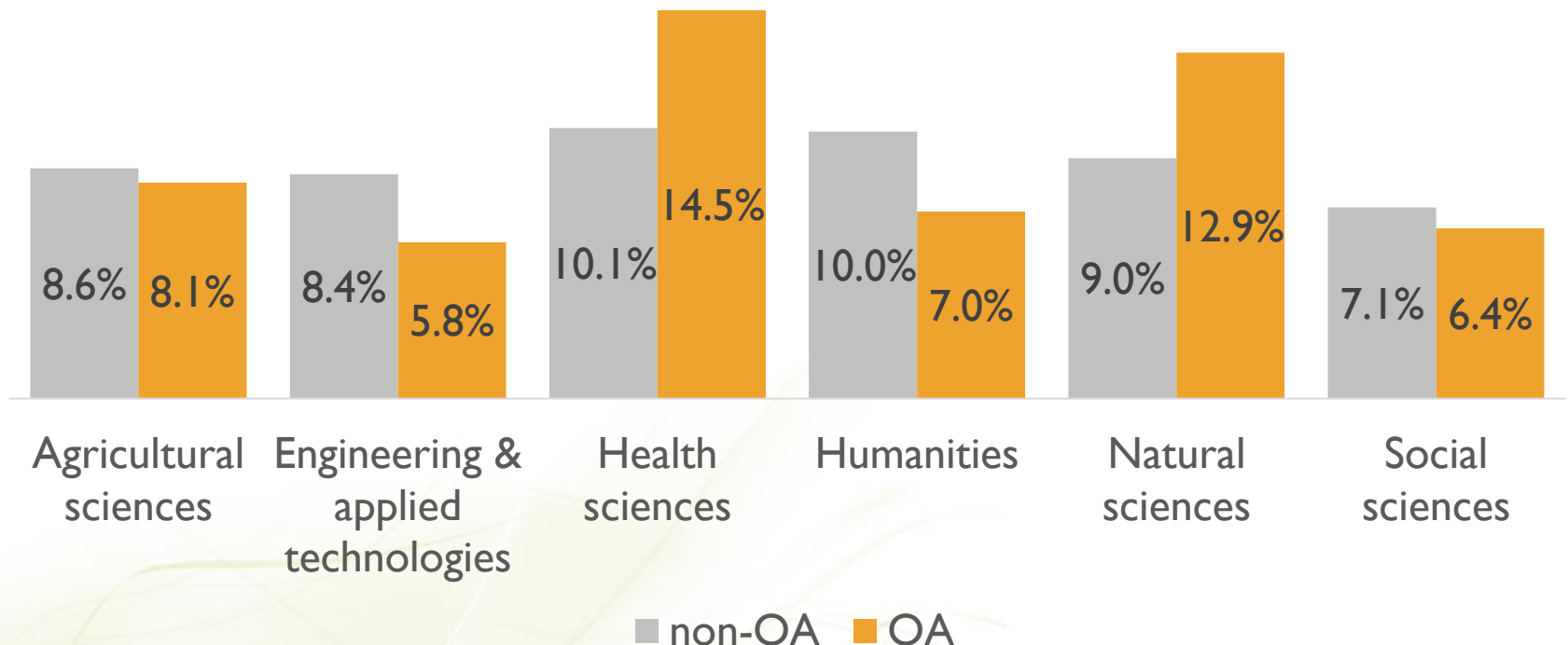
# SA: Non-OA vs OA % articles cited

% articles cited within first five years after publication (2005 – 2015)



# SA: Non-OA vs OA most frequently cited articles

% of articles among the 10% most frequently cited (2005 – 2015)





Centre for Research  
on Evaluation,  
Science and Technology

Thank you

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