

Welcome



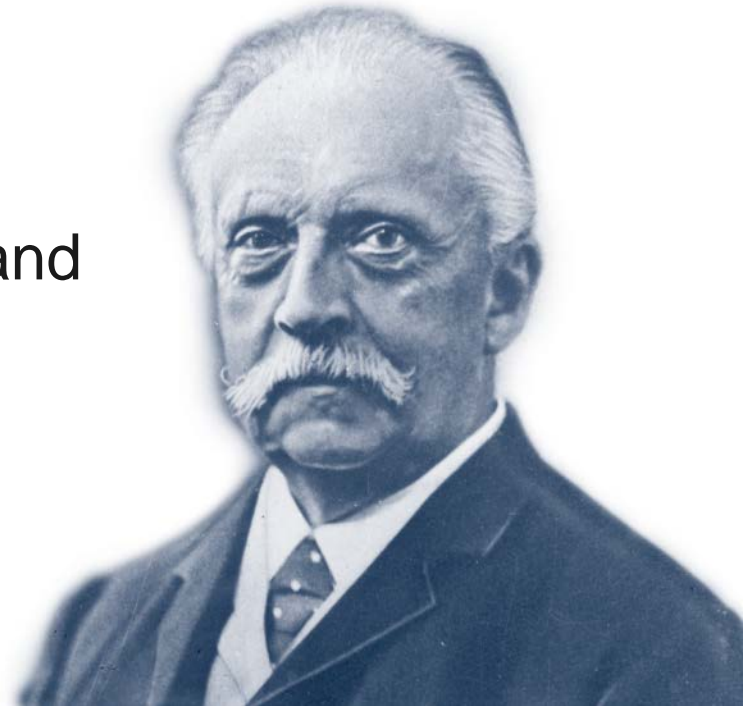
HELMHOLTZ
FROM DATA TO
KNOWLEDGE

Aleksey Shipilov
The Helmholtz Association, Moscow

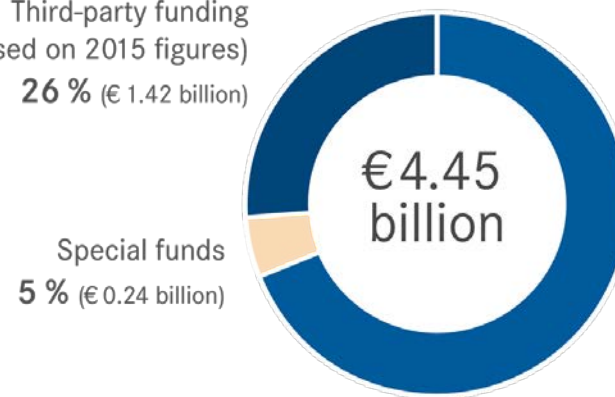
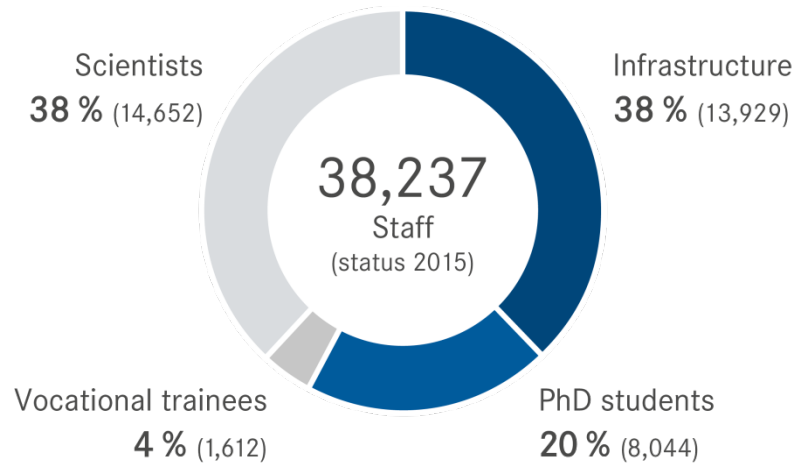
16.05.2016, Moscow

Helmholtz Research Mission & Strategy

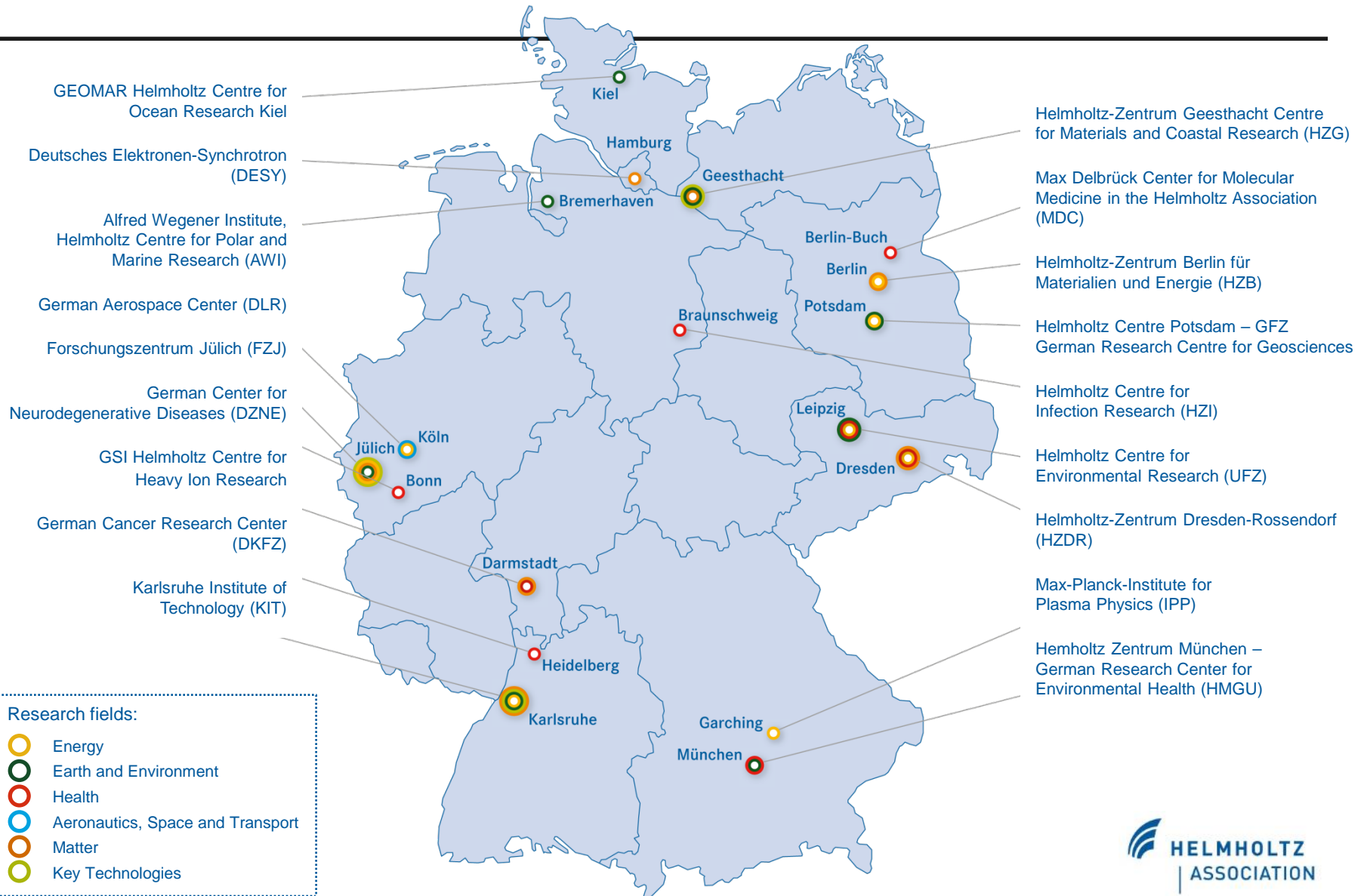
- Systems solutions for grand challenges based on:
 - Scientific excellence
 - Interdisciplinarity and critical mass
 - long term research programs
- Helmholtz provides a highly attractive environment for talents and brilliant brains
- Profound expertise in large scale research infrastructure



Facts and Figures



Helmholtz Centers



Research Portfolio of the Helmholtz Association



ENERGY



HEALTH



MATTER



EARTH AND
ENVIRONMENT



AERONAUTICS,
SPACE AND
TRANSPORT



KEY TECHNOLOGIES

HELMHOLTZ RESEARCH FIELD HEALTH



Helmholtz Cohort / MDC

- Basic research: disease mechanisms
- Unravel complex systems
- Translational research
- Focus on major diseases
- Strategic alliances

Grand challenges :

- Preventive medicine
- Personalized medicine
- E – Health
- Psychiatric disease

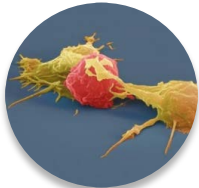


Drug research, Helmholtz Institute for Pharmaceutical Research Saarland (HIPS) / HZI

HEALTH RESEARCH CENTERS AND PROGRAMS

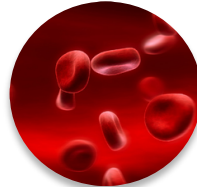
Five Disease-related Programs

Cancer Research



DKFZ, MDC, HZDR,
GSI

Cardiovascular and Metabolic Diseases



MDC, DKFZ

Infection Research



HZI

Diseases of the Nervous System



DZNE, MDC

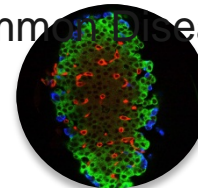
Large-scale Research Infrastructure

National
Cohort



DKFZ,
HMGU, MDC,
HZI

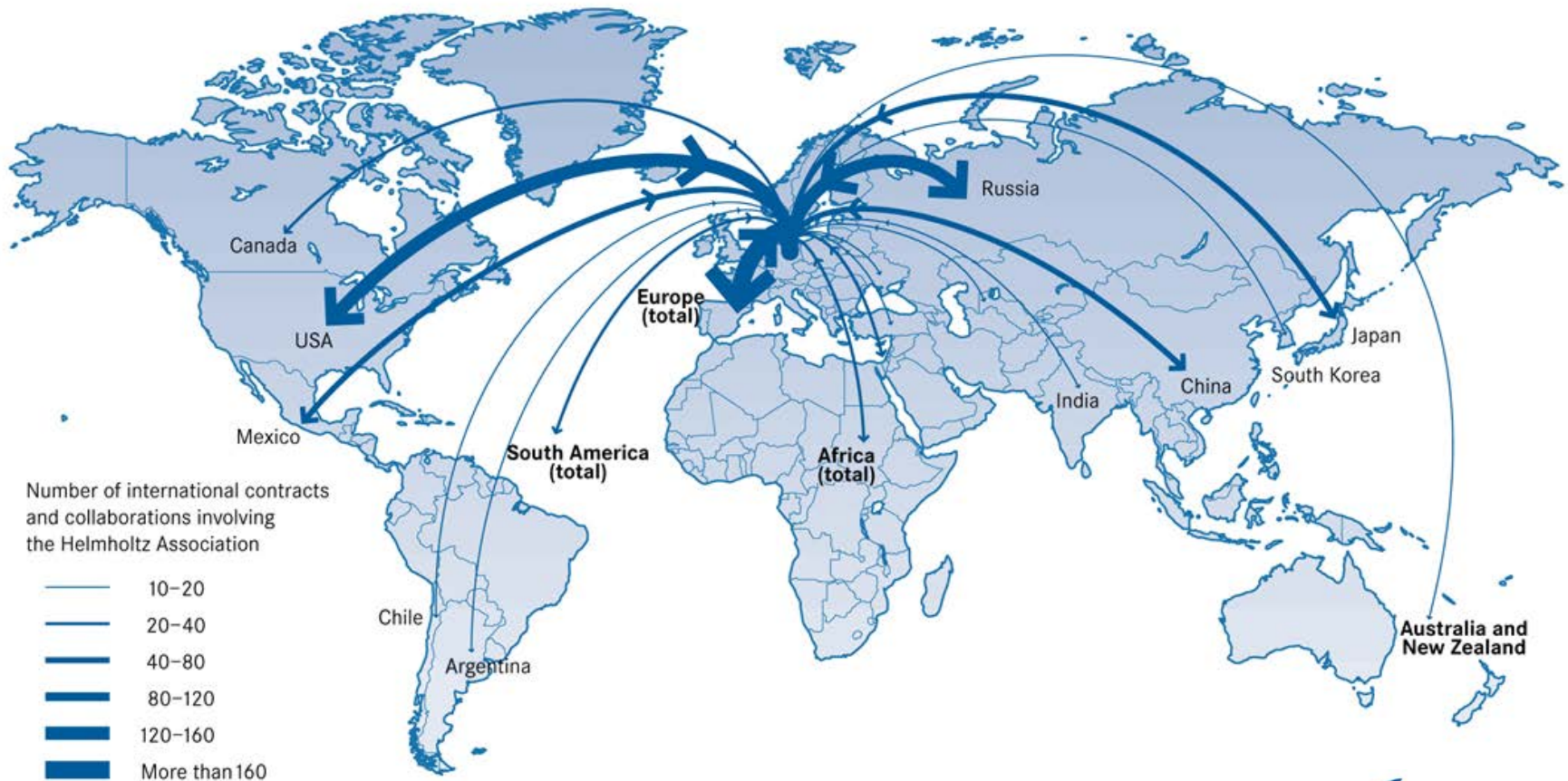
Genes and Environment in Common Diseases



HMGU, UFZ

Helmholtz International

International contracts and collaborations involving the Helmholtz Association (worldwide)



Helmholtz International

- New large-scale facilities with international participation (e.g. XFEL, FAIR, Wendelstein7-X)
- Participation in international projects (e.g. ITER)
- Binational programs
- **3** Liaison offices in Brussels, Moscow, Beijing
- Bilateral partnerships around the world
- **7,500** foreign scientists at Helmholtz Centers

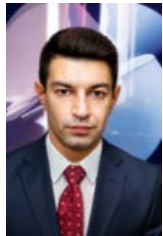
Team Moscow Office



- Elena Eremenko,
Head of the office



- Yulia Gurkina,
Assistant



- Aleksei Shipilov,
PR and Project
coordination

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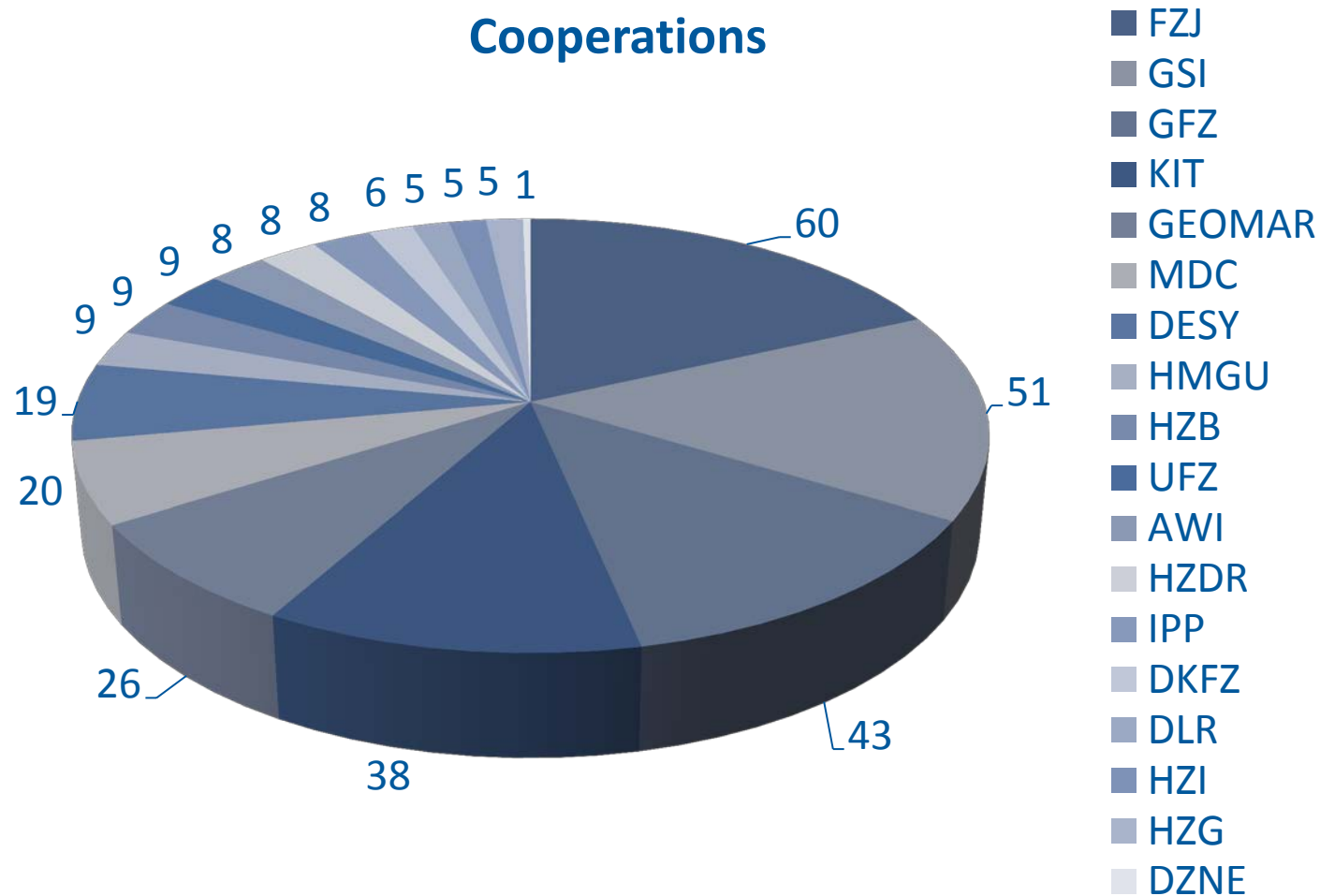
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Cooperation of Helmholtz Centers with Russian Scientific Organizations



Helmholtz-Russia Joint Research Groups



Principal Investigator of HRJRG-116

- 2006-2014: 5 joint calls “Helmholtz-Russia Joint Research Groups”, a joint program of Helmholtz Association and Russian Foundation for Basic Research
- Funding per year: 130,000 euros (Helmholtz), 1,200,000 RUB (RFBR)
- Total funding by Helmholtz: over 12 million euro
- 20% of all proposals in health research



Helmholtz-Russia Joint Research Group-006

Helmholtz-RSF Joint Research Groups



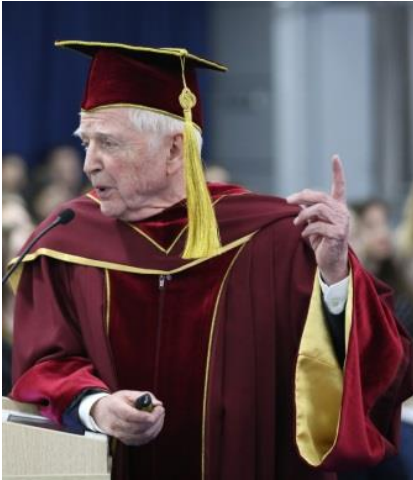
- Calls for Papers: 2017, 2018, 2019
- Duration: 3 years
- Topics 2017: Biomedicine and Big Data; 2018: Climate Research, Energy Storage and Grid Integration; 2019: Materials and emerging technologies, Structure and Dynamics of Matter
- Applications until: 31. March 2017
- Funding: 09.2017-12.2019, 130.000€ (HGF)– 90.000 € (RSF) p.a.

Helmholtz-Wintergespräche



- Annual event
- A strategic platform for exchanging opinions
- German and Russian representatives from science, education and politics
- Topic 2016 – Life Science
- Under the patronage of Mrs. Edelgard Bulmahn, Vice-President of the German Bundestag and Prof. Andrei Fursenko, Aid to the President of the Russian Federation for Science

Science Lecture



- Harald zur Hausen
- Nobel Laureate in Medicine 2008
- Science lecture “Infectious Nutritional Risk Factors for Cancers and Neurodegenerative Diseases”
- 26.04.2017, Moscow, Sechenov University
- Over 800 visitors and over 1000 online listeners
- Link to online video:
https://www.youtube.com/watch?v=FI_v1snCdUE
- Seminar for young scientists

Thank you



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