

BIG4 - Biosystematics, Informatics and Genetics of the big 4 insect groups

PhD training in systematic entomology
funded by EU Horizon 2020 ITN (Innovative Training Network) program,
coordinated from the Natural History Museum of Denmark

- **7 institutions (5 big museums) and 3 private companies** in Europe, + 11 support institutions globally
- **15 full scholarships/projects** and running expenses funds
- Focus on **Coleoptera, Hymenoptera, Lepidoptera** and **Diptera**
- Focus on **modernising systematic workflows**

2015-2018 (4 years)

positions will be announced soon, early in 2015

BIG4 training providers

Consortium member	Taxonomic specialization	Methodological strength
1. Charles University, Prague, Czech Republic (M. Fikacek)	Coleoptera	Revisionary systematics, Phylogenetics
2. University of Turku, Finland (N. Wahlberg)	Lepidoptera	Genomics, phylogenetics
3. Swedish Museum of Natural History, Sweden (F. Ronquist)	Hymenoptera	Phylogenetics, Bioinformatics, Genomics
4. Zool. Museum A. Koenig, Bonn, Germany (X. Mengual)	Diptera	Revisionary systematics, phylogenetics
5. Inst. Syst. Zoology & Evol. Biology Jena, Germany (R. Beutel)	cross-taxonomic	Comparative morphology, phylogenetics
6. Naturhistorisches Museum, Vienna, Austria (N. Akkari)	cross-taxonomic	Innovative methods of morphological examination
7. PENSOFT, Bulgaria (L. Penev, P. Stoev)	cross-taxonomic	Data management, semantic publishing, dissemination
8. ERA 7, Spain (E. Pareja)	cross-taxonomic	Bioinformatics
9. DECURIA, Sweden	cross-taxonomic	IT, mobile apps
10. University of Copenhagen, Denmark (A. Solodovnikov)	Coleoptera	Revisionary systematics, phylogenetics

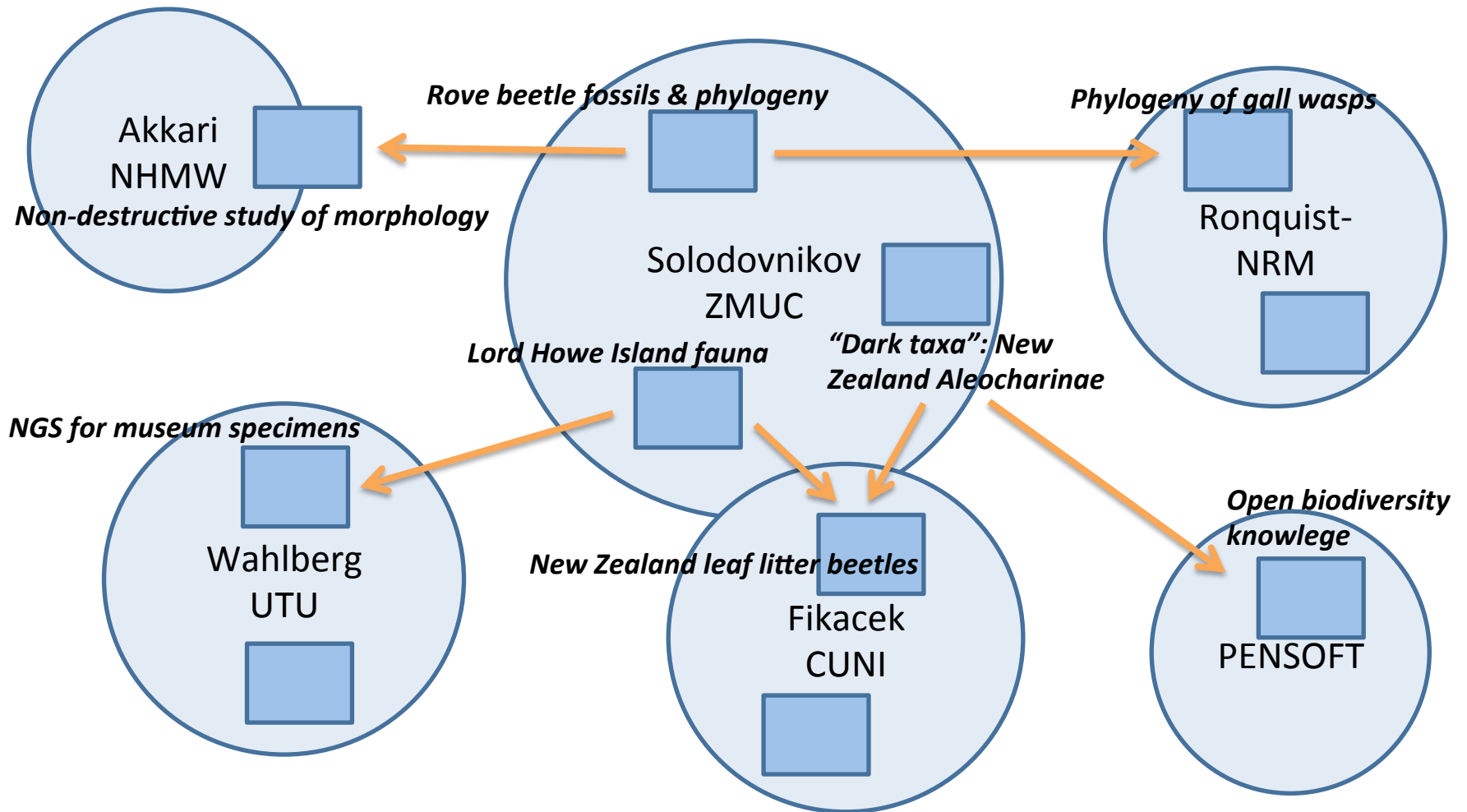
+ 11 other organizations globally to support various activities, e.g. fieldwork, etc.

How does it work

- **Students are attached to the main supervisor's institution and enrolled in local PhD school, 3-4 years, good salary**
- **Joint supervision (1-2 co-supervisors)**
- **Research/Training secondments (from days to months) to other BIG4 members labs**
- **Thematic workshops and summer schools (2 per year) for all students**
- **Exposure to non-academic sector**

Structure and interactions

10 hosts, 15 students = 15 projects



Stay tuned and apply!

Questions?

Contact Alexey Solodovnikov

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