SYNTHESYS 3 NA 2

Workshop: *Strategic priorities for DNA library creation of NH collections*

18 & 19 February 2016, Museum für Naturkunde Berlin

Delegates:

- Freek Bakker (U Wageningen)
- Gabi Dröge (BGBM)
- Pia Eldenas (NRM)
- Rodrigo Esparza-Salas (NRM)
- Tim Fulcher (RBGK)
- David Harris (RBGE)
- Michelle Hart (RBGE)
- Michael Hofreiter (U Potsdam)
- Susanne Kreutzer (U Mainz)
- Jiri Kvacek (NMP)
- Ian Barnes (NHM)
- Ole Seeberg (UCPH)
- Gontran Sonet (RBINS/MRAC)
- Thomas von Rintelen (MfN)

Scope (Extract from SYNTHESYS 3 DoW)

Creation and use of DNA Libraries (developed in SYNTHESYS2) will be reviewed for feasibility of implementation at institutional scale by European NH institutions. The two-day workshop will assess the scope and protocols for common integration. Day one will be used to demonstrate the outputs of the previous SYNTHESYS JRA outcomes, which are methodologies for optimal extraction of DNA from NH collections. Day two will be used to agree priorities and integrated strategies for the creation of DNA libraries.

Programme

Thursday, February 18 – DNA libraries: technical state-of-the-art

Time	**Session**	**Lead**
13.30	Tea & Coffee	
14.00	Welcome and general introduction to the workshop, intro round	TvR
14.30	Presentations Selina Brace: *Recovering DNA from Natural History Collections I. Paleontological material* Ian Barnes: *Recovering DNA from Natural History Collections. II. Life Science Collections* Michael Hofreiter: *Genomic analyses from highly degraded DNA*	SK
16.00	Tea & Coffee	
16.30	Presentations Susanne Kreutzer: *Library strategies for the analysis of ancient DNA samples from skeletal remains* Freek Bakker: *Herbarium genomics, post-mortem DNA damage and the routine assembly of archival chloroplast genomes*	IB
17.30	Discussion and conclusions: technical recommendations for the creation of DNA libraries from NH collections	Speakers; All
18.00	Close	
18.15	Dinner	

Friday, February 19 – DNA libraries: prioritization for NH collections

Time	Session	Lead
09.00	Tea & Coffee	
09.15	Discussion: From which NH collections should DNA libraries be preferentially created? (Possibly split up into smaller groups if deemed useful)	All
11.00	Tea & Coffee	
11.15	Discussion (continued): From which (type of) NH collections should DNA libraries be preferentially created? Also: Links and potential input to NA2 task 2.1 (Priorities for DNA barcoding of NH collections)	All
12.00	Wrap up	TvR
12.15	Close	
12.30	Lunch (optional)	