Table 2: Abridged **preliminary list** of envisaged **amended/changed** or **new contributions** to complementary materials in the NMSOP_2, Volume 2. **Links** to external data sources (e.g., related lectures) are marked in **red**.
Agreement and/or modification by the proposed authors is still pending. Additional proposals are invited!

DS, EX, IS, PD, Miscell.	Title	Comments	Proposed Author(s)	approx. extra pages
DS 3.1	**Magnitude calibration functions and complementary data**	**Amendment** and minor corrections	P. Bormann	+1?
DS 5.1	**Common seismic sensors**	**Amendment** of several promising new sensors and their essential parameters	E. Wieland, K.-H. Jaeckel	+4?
EX 3.1	**Magnitude determination**	The current exercises by hand will be complemented by an **interactive tutorial** how to measure the teleseismic magnitudes mb, Ms(20), mB(BB), and Ms(BB) on filtered or unfiltered BB records, respectively, according to the new IASPEI standard measurement procedures. The tutorial will allow to load also data from other event records at the disposal of the trainee.	P. Bormann K.-D. Klinge S. Wendt	+5?
EX 3.2	**Determination of fault-plane solutions**	The current exercise by hand will be **amended by figures/diagrams** in order to make it useable independently from Chapter 3. Further, an **interactive tutorial will be added** to this exercise, which allows to determine fault-plane solutions also for other data sets of both first-motion polarities and/or PV/SV amplitude ratios.	P. Bormann K.-D. Klinge S. Wendt	+10?

EX 3.6	**Moment tensor inversion and source parameter determination for shallow events and sources with non-DC parts**	**Exercises and discussions**	F. Krüger D. Rößler	+8?
EX 4.1	**Bandwidth-dependent transformation of noise data from frequency into time domain and vice versa**	The exercises by hand will be **revised** and complemented by **an interactive tutorial** on the determination of noise power spectra for data sets of different bandwidth and the comparison and discussion of the results with respect to the New Low and High Noise Models.	P. Bormann K.-D. Klinge S. Wendt	+4?
EX 4.2	**Signal manipulation by changing the governing parameters of seismograph transfer functions or simulation filters**	A new **interactive tutorial,** using a set of realistic input functions.	E. Wielandt	6?
EX 9.1?	**Application of different procedures of array data processing**	A new **interactive tutorial,** using a set of event data recorded by arrays of different shape, aperture and instrumentation	J. Schweitzer? K.-D. Klinge	10?
EX 11.1	**Estimating the epicentres of local and regional seismic sources by hand, using the circle and chard method**	**Adding** figures of manual and computer-assisted solutions of the authors and **link** to the related lecture by P. Bormann	P. Bormann S. Wendt	+4
EX 11.2	**Earthquake location at teleseismic distances by hand from 3-component records**	**Adding** the manually derived author plus the NEIC solutions and provide a **link** to the related lecture by P. Bormann	P. Bormann S. Wendt	+4
EX 11.4	**Seismogram analysis and parameter determinations of local events with single stations, networks and arrays**	**Tutorial and exercise** with default and/or user loaded data	K.-D. Klinge	10?

EX 11.5	**Stepwise interactive improvement of crustal model, epicentre location, source depth and magnitude of earthquakes recorded by local networks**	**Tutorial and exercise** with default and/or user loaded data	S. Wendt	8?
EX 11.6	**Seismogram analysis and parameter determinations of teleseismic events with single stations, networks and arrays**	**Tutorial and exercise** with default and/or user loaded data	K.-D. Klinge	10?
EX 12.1	**Application of automatic intensity assessment procedures**	**Tutorial and exercise** with default and/or user loaded data	R.M.W. Musson	6?
EX 15.1	**Application of software for understanding source, path and site response**	**Tutorial and interactive exercise** aimed at understanding differences in the frequency and time domain when working with ground displacements, velocities or accelerations	S. Parolai D. Bindi	10?
IS 2.1	**Standard nomenclature of seismic phases**	**Slightly modified/updated** version of the former IS 2.1	D. Storchak J. Schweitzer P. Bormann	+2?
IS 3.3	**New IASPEI measurement standards for Ml, mb, mb(Lg), mB(BB), Ms(BB), Ms(20) and Mw**	**Description** of new IASPEI measurement standards for widely used magnitudes, parameters of simulation filters used for Ml, mb and Ms(20), algorithms for automatic determination, application results and relationship between old and new magnitudes	P. Bormann J. Saul	20?

IS 3.4	**Briefing on the origins and methodology of the Russian energy K-class system and its relationship to magnitude scales and direct energy estimations based on broadband data**	**New material** based on the assessment of a recent SRL publication and linking it to Chapter 3 and IS 3.6	P. Bormann T.G. Rautian K. G. Mackey	10?
IS 3.5	**Development of homogeneous magnitude systems (HMS) for major seismotectonic regions**	Summarizing the methodology and results of efforts in Eurasia for creating a homoge-neous magnitude system based on selected first rate stations, station residual corrections and aimed at significant reduction of measurement and procedural errors. Recommendations for similar efforts in other regions	J. Vanek L. Christoskov (pending agree-ment of authors)	20?
IS 3.6	**Moment tensor inversion and source parameter determination**	**Essentially modified and amended** version of the former section of the same title in Chapter 3, including also methods of moment tensor inversion in the local and regional range with links to software and **new related exercises EX 3.6**	F. Krüger D. Rößler	+10? (total 20-25)
IS 3..7	**Radiated seismic energy and energy magnitude**	**Modified and amended** version of the former section 3.3 of the same title in Chapter 3, providing more details on the methodology and an update on research results (e.g., how patterns of Me-Mw delineate tectonic conditions)	G. Choy	+ 7? (total 15?)
IS 3.8	**Real-time procedures of Es and Me determinations for teleseismic and regional events**	New methodologies and automated procedures	D. Di Giacomo P. Bormann	10?

IS 3.10	**Array-based source parameter estimation techniques**	Besides basic equations results achievable with small aperture arrays near to a fault or with large aperture arrays in the teleseismic distance range are presented	F. Krüger D. Rößler	10?
IS 5.1	**Strainmeters**	**Modified and amended** version of the former IS 5.1, including data from the great Sumatra-Andaman earthquake of December 2004 and a new section about the deployment of Laser and borehole strainmeters at the Plate Boundary Observatory	W. Zürn	+5?
IS 5.3	**Measurement of instrumental self-noise and of the relative seismometer transfer function using 3-channel correlation analysis**	New procedure	R. Sleeman	10?
IS 5.4	**Seafloor seismic observations using ocean-bottom seismometers (OBS)**	**New extended IS** which elaborates on the specific noise and signal conditions in the deep ocean environment, the deployment, maintenance, use and retrieval of different OBS systems, specific problems of data acquisition and analysis. Examples of OBS observations from local, regional, teleseismic and tsunami events as well as results of some outstanding case studies in the ocean environment of Japan will be presented and cost-benefit considerations be discussed.	M. Shinohara, K. Suyehiro	30?

IS 5.5	**Rotational seismology**	**New extended IS** on measurement and analysis of rotational ground motions and their relevance for seismic hazard and risk	W.H.K. Lee	20?
IS 8.3	**Interactive and automatic real-time retrieval of parameter and waveform data via Internet from local to global scale**	**New extended IS** replacing the old IS 8.3	J. Saul?	15
IS 11.4	**Automated event and phase identification**	Outlines the need for developing automatic procedures, their basic problems and algorithms for event triggers, P- and S-phase pickers, using single and multi-station methods. Results of automatic and interactive procedures will be compared.	L. Kueperkoch et al.	15-20?
IS 11.5	**Regional and international Data Centres in seismology** (overview)	Name and place? How to contact them? What kind of data they collect and provide? How to contribute to them? How are they linked and co-operating with each other?	Not yet known	10?
IS 11.6	**Contributing parametric data to the ISC**	New guidelines, taking into account newly available ISC data processing and archiving facilities as well as new standard nomencla ture for seismic phase, amplitude, period and magnitude data	D. Storchak	6?
IS 11.7	**Contributing parametric data to the NEIC**	New guidelines, taking into account newly available NEIC data processing and archiv-ing facilities as well as new standard nomenclature for seismic phase, amplitude, period and magnitude data	Not yet known	6

PD ??	**Software for different applications?**	Several more new programm descriptions are expected	???	???
Miscella-neous	**???**	**Amendments** of Acronyms, Glossary entries, Index and new References	P. Bormann	20?