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MEMO CP-N/80

DATE: 19 May 2009
TO: See distribution list below
FROM: C. Nordborg
SUBJECT: Proposals related to the EXFOR keyword AUTHOR

Dear colleagues,

Please find attached some proposals related to the EXFOR keyword "AUTHOR" to be discussed at the forthcoming NRDC meeting

Best regards,
Claes Nordborg

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To avoid errors in the coding of the AUTHOR keyword, it is proposed to modify the respective EXFOR documentation as follows: (modifications appear in yellow).

EXFOR Exchange Formats Manual

AUTHOR. Gives the authors of the work reported. See also **LEXFOR, Author**.

1. Presence is obligatory. Must have coded information. For this keyword, a code corresponds to an author's name.
2. Authors' names are entered in the normal way of writing a name, *i.e.*, A.B.Name, each name separated by a comma. The word 'and' should not be used to separate authors' name. Hyphenated family names, 2-characters initials (as in the transliteration of some Cyrillic characters), and any other deviations from the normal name structure are permitted. For a family name modified by 'Junior' or 'Senior', Jr or Sr is entered following the family name and separated from it by a blank. Likewise, for a family name modified by a roman number, for example II, II is entered following the family name and separated from it by a blank.

Initials are, when given, entered before the name. Initials of compound first names such as Jean-Charles must be coded as J.-C., *i.e.* the dot after the first name is mandatory. Middle names may appear either in full length or only its initial(s) followed by a full stop, for example J.Blair Briggs or J.B.Briggs.

Capitalization of particles should be respected whenever possible as different countries use different convention *e.g.* 'von' or 'Von' might be used in names. Particles should not be alphabetized *e.g.* 'v.' used for 'von'.

All names are entered between one set of parenthesis. Blanks are permitted between authors' names (*i.e.*, after a comma), but are not permitted following initials. (For transliteration of authors' names containing characters not permitted in EXFOR, see **LEXFOR, Author**).

Authors' names may be continued on the next record, but names should not be broken, *i.e.* the last character on the line to be continued should be a comma.

3. 'et al.'

'et al.' should not be coded. All the codes of AUTHOR keyword are intended to be author's name.

Examples (Correct ones):

AUTHOR (A.B.Jones, L.Poza-Lobo, JA.M.Ivanov, Ngo-Dinh-Long, A.Morales Amado)
AUTHOR (J.Blair Briggs)
AUTHOR (J.B.Briggs)
AUTHOR (R.W.McNally Jr, H.Farrar IV)
AUTHOR (V. Sebastian, L. Weissman, ISOLDE)

Examples (incorrect ones):

Use a comma to separate names

AUTHOR (P.Schwandt and J.Wiggins) should be coded (P.Schwandt, J.Wiggins)
AUTHOR (P.Schwandt, and J.Wiggins) should be coded (P.Schwandt, J.Wiggins)

Initials must appear before the last name, not after

AUTHOR (Penionzhkevich Yu.E.) should be coded (Yu.E.Penionzhkevich)

Junior must be coded as 'Jr'

AUTHOR (D.R.Mendes Junior) should be coded AUTHOR (D.R.Mendes Jr)

Author

The author(s) of a data set are entered under the information-identifier keyword AUTHOR, all names between one set of parentheses and separated by a comma. The sequence of the names should be the same as in the publication.

See EXFOR Exchange Formats Manual Chapter 7: AUTHOR for coding format.

If a data set has several references with varying co-authors, all co-authors may be entered.

Some East-European authors spell their names, and, in particular, their initials differently depending on whether they publish in their own language or in English. Gyulia (Hungarian)= Julius (English). Hristov (Bulgarian) = Christoph (English). If this is detected, the spelling in the author's own language is preferred.

Some names contain character(s) that cannot be represented in the EXFOR permitted character set. If this is detected, the transliteration rules coded in the table below must be applied (these rules are not exhaustive):

Forbidden characters	Transliteration
Ç (ç)	C (c)
Č (č)	C (c)
ñ	n
Ä (ä)	AE (ae)
Û (ü)	UE (ue)
Ö (ö)	OE (oe)
ß	ss
Æ (æ)	AE (ae)
Ø (ø)	OE (oe)
Å (å)	AA (aa)

Cyrillic names

For the transliteration of Cyrillic names the following table should be used:

Cyrillic character	Transliteration
А	A
Б	B
В	V
Г	G
Д	D
Е	E
Ё	E
Ж	Zh
З	Z
И	I
Й	Y
К	K
Л	L
М	M
Н	N

О	O
П	P
Р	R
С	S
Т	T
У	U
Ф	F
Х	Kh
Ц	Ts
Ч	Ch
Ш	Sh
Щ	Shch
Ъ	'
Ы	Y
Ь	'
Э	E
Ю	Я
Yu	Ya

This list had been made according to the ISO prescriptions, amended for computer usage with respect to accents, with the exception that different systems are not allowed in parallel (as is the case with the new ISO prescriptions). For instance the earlier transliterations Ju and Ja are allowed in the new ISO as well as Yu and Ya.

This scheme corresponds to the official Russian transliteration scheme with the exception of the character ', which **in Russian** is represented as ", a character **which is not allowed in EXFOR**.

Asian Names: For Asian names the full name may be given with the family name given first.

Example: Li Xiaodong