





Institut für Archäologische Wissenschaften

- Abteilung für Vorderasiatische Archäologie -

Bern, 16 February 2012

ARCANE Final Conference, December 8th-12th in Bern, Switzerland

Associated Regional Chronologies for the Ancient Near East & the Eastern Mediterranean (3rd Millennium BC)

1. Summary

The ARCANE Final Conference was held in Bern on 8th until 12th December 2011. It was the first occasion on which the project itself, its aims and methodology, and its results were presented in a broad scope and to a public audience. For the scientific community it was the first possibility to get information on the results of the Regional and Transversal Groups working within the ARCANE framework and developing new chronologies. For the scholars involved it gave the opportunity to gain a full understanding on contemporary processes within the wider scenery of the Ancient Near East.

Each Regional and Transversal Group was represented by one to three speakers, who gave an overall information on the goals it reached and the newly proposed chronology. Altogether more then 150 registered guests attended the conference, which was announced in all relevant internet and printed media of Ancient Near eastern Archaeology and Assyriology. It was inaugurated by a lecture on the history of Mesopotamian and Levantine city-states, given by Professor Walther Sallaberger, and closed by a non-public meeting of the Steering Committee to discuss the possibilities of a succeeding project.

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2. Description of the scientific Contend and Discussion at the Event

The aim of the ARCANE Final Conference was 1.) To give an overview on the results of the several Regional and Transversal Groups of the ARCANE project, and 2) to present the project in general and its methods, structure and goals in particular for the first time to a broad public audience. Until then, all meetings of the project were open only to its members and collaborators. The idea was thus to reach now both to a scientific and a non-scientific publicity.

In general, two speakers of each Regional Group and one or two of each Transversal Group were invited and intended to present the results of their teams. One should give a more general idea of the specificities of the material; the other one should present the results more in detail, giving an overview on the characteristics of each defined period.

The conference was inaugurated on Thursday 8th at 7pm with a public lecture by Professor Walther Sallaberger (Munich), which was addressed to a more general audience. More then 200 listeners attended this lecture, which was held in the largest and most representative audience hall in the main building of the university.

The conference itself was located in two venue places: on Friday and Sunday, both days with full-day programme, in the main hall of the university building UniS neighbouring the main building, on Saturday morning again in the main building itself. The coffee breaks were located next to the conference halls.

On Friday 9th the conference was officially opened by some welcome addresses of Professor Christian Leumann, vice-rector of the University of Bern, Professor Heinzpeter Znoj, Dean of the Faculty of Humanities of the University of Bern, Dr. Barry Dixon, representative of the ESF. Following that, Professor Pierre de Miroschedji and Dr. Marc Lebeau presented the aims and the specificities of the ARCANE project. Professor





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Jean-Paul Thalmann explained the methodology, and Dr. Stefano Anastasio and Pino Fenu the database developed and used by the project.

The presentations of the regional groups followed more or less a geographical order from west to east, starting with *Regional Group (RG) 01 Southern Levant* (2 speakers), *RG 02 Northern Levant* (2 speakers), *RG 03 Cyprus* (1 speaker), *RG 05 Western Anatolia* (3 speakers), *RG 07 Middle Euphrates* (3 speakers, just two of them invited guests), *RG 08 Jezirah* (2 speakers), *RG 09 Tigridian* (2 speakers), *RG 10 Central Mesopotamia* (1 speaker, reading two papers) and *RG 12 Western Iran* (2 speakers). *RG 06 Eastern Anatolia* was represented by the two team leaders but due to internal problems no lectures were given. The paper of the team leader of RG 11 Southern Mesopotamia was read by Dr. Uwe Finkbeiner, since Dr. Margarete van Ess was unable to attend the conference due to other obligations. Following this, the results of the Transversal Groups (TG) were presented: *TG 01 History and Philology* (1 speaker), *TG 02 Glyptic and Art History* (2 speakers), *TG 03 Radiocarbon* (1 speaker).

At the end of the conference on Sunday afternoon, the two chairmen of the Steering Committee gave an overview on the general results of the ARCANE project. Beside the pure chronology also the experiences of the methodological approach, its chances and limits for further research, were discussed. In a concluding party thoughts on that were exchanged by all participants.

The chance for an experimental use of the database was given in a room close to the venue hall, which was specially equipped with a number of computers.

The public conference was officially closed on Sunday evening. On Monday morning, the members of the Steering Committee met in a closed session to discuss the possibilities and topics of a succeeding project. Although no official decision was failed yet, all participants agreed that the methods and tools, which are available now, should be







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used for further activities. As a first step it seems important to the whole committee to make the database available to a public use. Hence, the standalones have to be transformed into an online compatible version. Jean-Marie Le Tensorer and Mirko Novák offered to apply for additional funding for the execution.

Three possibilities of the nature of a future continuation of ARCANE were discussed:

- The ARCANE project can be extended in a broader geographical (including Aegean, Egypt, Transcaucasia and Eastern Iran) or chronological (4th, 2nd or 1st Millennia BC) framework but keeps its focus on regional chronologies.
- 2.) The ARCANE project may now focus on the analysis of processes like urbanism, cultural exchange etc. in the 3rd Millennium BC, based on the chronological issues and results reached until now.
- 3.) There might be more then just one succeeding ARCANE project. Several more or less independent projects may be formed, which use the methodology and the tools (database) as well as the label of ARCANE. They are self-responsible for acquiring their funding. The task of the next Steering Committee of ARCANE will be to consider if the applicants fulfil the criteria of ARCANE and will thus be allowed to use its label.

3. Assessment of the Results and the Impact of the Event on the future Direction of the Field

Since the ARCANE Final Conference presented the final scientific results of the ARCANE ESF Project in general, the required information will be given in detail in the final report of the Steering Committee.

The conference was an important event to advertise the ARCANE project and its efforts to both the scientific community and to a broader public. It thus will help to





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communicate the new chronological system and reach a wide acceptance for it. Moreover, it gave for the first time the opportunity to all involved scholars to get an idea of the overall situation in the 3rd Millennium in a broad geographical frame. Hence new questions on mechanisms of cultural impacts and diffusions of ideas arose on the base of a better understanding of the comparative chronology. This might have been the main value not only of the conference but also of the project in general.

4. Final Programme of the Meeting

List of Participants I: Speakers and other invited Guests

	Name	Surname	Title	Country
1.	Anastasio	Stefano	Dr.	Italy
2.	Boaretto	Elisabetta	Dr.	Israel
3.	Butterlin	Pascal	Prof. Dr.	France
4.	Charvát	Petr	Prof. Dr.	Czech Republic
5.	de Miroschedji	Pierre	Prof. Dr.	France
6.	Dixon	Barry	Dr.	England
7.	Fenu	Pino		Italy
8.	Finkbeiner	Uwe	Dr.	Germany
9.	Fischer	Peter M.	Prof. Dr.	Sweden
10.	Greenberg	Raphael	Dr.	Israel
11.	Helwing	Barbara	PD Dr.	Germany







12.	Kulakoğlu	Fikri	Prof. Dr.	Turkey
13.	Lawecka	Dorota	Dr.	Poland
14.	Le Tensorer	Jean-Marie	Prof. Dr.	Switzerland
15.	Lebeau	Marc	Dr.	Belgium
16.	Lopes	Maria da Conceição	Prof. Dr.	Portugal
17.	Mazzoni	Stefania	Prof. Dr.	Italy
18.	Meijer	Diederik	Dr.	Netherlands
19.	Neumann	Georg	M.A.	Germany
20.	Ökse	Tuba	Prof. Dr.	Turkey
21.	Özfırat	Aynur	Prof. Dr.	Turkey
22.	Peltenburg	Edgar	Prof. Dr.	England
23.	Philip	Graham	Prof. Dr.	England
24.	Pittman	Holly	Prof. Dr.	USA
25.	Quenet	Philippe	Dr.	France
26.	Rova	Elena	Dr.	Italy
27.	Şahoğlu	Vasıf	Dr.	Turkey
28.	Sakal	Ferhan	Dr.	Germany
29.	Saliola	Francesco		Italy
30.	Sallaberger	Walther	Prof. Dr.	Germany
31.	Sauvage	Martin	Dr.	France
32.	Sconzo	Paola	Dr.	Italy







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33.	Sténuit	Marie-Eve		Belgium
34.	Thalmann	Jean-Paul	Prof. Dr.	France
35.	Tuncel	Riza	Dr.	Turkey
36.	van Dozel	Monique		Netherlands
37.	van Ess	Margarete	Dr.	Germany

List of Participant II: Registered Guests

	Name	Surname	Title	Country
1.	Ahlers	Mareike		Germany
2.	Ahrens	Alexander		Germany
3.	Anastasio	Stefano	Dr.	Italy
4.	Archi	Alfonso	Prof. Dr.	Italy
5.	Arrivabeni	Monica		Germany
6.	Asher-Greve	Julia	Dr.	Switzerland
7.	Ashurov	Safar	Dr.	Azerbaijan
8.	Attinger	Pascal	Prof. Dr.	
9.	Backhaus	Henrike		Germany
10.	Beyer	Dominique	Prof. Dr.	France
11.	Bigler	Fabiola		Switzerland
12.	Birgül	Ögüt		Germany







13.	Boaretto	Elisabetta	Dr.	Israel
14.	Borkowski	Sebastian		Switzerland
15.	Boskugel	Stefanie		Germany
16.	Bouso	Mònica		Spain
17.	Bürge	Teresa		Austria
18.	Butterlin	Pascal	Prof. Dr.	France
19.	Cabral	Ricardo		Portugal
20.	Cavigneaux	Antoine	Prof. Dr.	Switzerland
21.	Charvát	Petr	Prof. Dr.	Czech Republic
22.	Colonna d'Istria	Laurent		France
23.	D'Andrea	Marta	Dr.	Italy
24.	de Miroschedji	Pierre	Prof. Dr.	France
25.	Del Bravo	Francesco		Germany
26.	Dixon	Barry	Dr.	England
27.	Döpper	Stephanie		Germany
28.	Elsässer	Marc		Germany
29.	Elsen-Novák	Gabi		Germany
30.	Eminli	Jeyhun	Dr.	Azerbaijan
31.	Emmert	Clevenstine		France
32.	Falsone	Gioacchino	Prof. Dr.	Italy
33.	Fenu	Pino		Italy







34.	Fink	Christoph		Germany
35.	Finkbeiner	Uwe	Dr.	Germany
36.	Fischer	Peter M.	Prof. Dr.	Sweden
37.	Fortin	Michel	Prof. Dr.	Canada
38.	Fuchs	Alexandra		Germany
39.	Gander	Max		Switzerland
40.	Gäumann	Nicole		Switzerland
41.	Gautschy	Rita	Dr.	Switzerland
42.	Gavagnin	Katia		Italy
43.	Girotto	Elisabeth		Italy
44.	Gomez Bach	Anna		Spain
45.	Graichen	Thomas		Germany
46.	Greenberg	Raphael	Dr.	Israel
47.	Gries	Helen		Germany
48.	Grossen	Zora		Switzerland
49.	Guliyeva	Sevinj		Azerbaijan
50.	Hadjidimitrova	Ekaterina		Switzerland
51.	Haueter	Agnes		Switzerland
52.	Heil	Manuela		Germany
53.	Helmholz	Yvonne		Germany
54.	Helwing	Barbara	PD Dr.	Germany







55.	Hemeier	Birthe		Germany
56.	Höflmayer	Felix	Dr.	Germany
57.	Hollenstein	Daria		Switzerland
58.	Huseynov	Fuad		Azerbaijan
59.	Huseynova	Sevinj		Azerbaijan
60.	Jaques	Margaret		Switzerland
61.	Kallas	Nathalie		Germany
62.	Kaniut	Kai		Germany
63.	Katzy	Elisabeth		Germany
64.	Kerner	Susanne	Prof. Dr.	Denmark
65.	Kirchhoff	Nick		Germany
66.	Klenk	Hanni		Switzerland
67.	Kolbe	Matthias		Germany
68.	Kral	Pavel		Czech Republic
69.	Kroll	Stephan	Prof. Dr.	Germany
70.	Kroll	Sonja		Germany
71.	Kulakoğlu	Fikri	Prof. Dr.	Turkey
72.	Kulemann-Ossen	Sabina	Dr.	Germany
73.	Kurmangaliev	Anna		Austria
74.	Lawecka	Dorota	Dr.	Poland
75.	Le Tensorer	Jean-Marie	Prof. Dr.	Switzerland







76.	Lebeau	Marc	Dr.	Belgium
77.	Lerculeur	Rachel		France
78.	Lipke	Florian		Switzerland
79.	Looney	Moira		Switzerland
80.	Looney	Moira		Switzerland
81.	Lopes	Maria da Conceiçã	Prof. Dr.	Portugal
82.	Mallegni	Chiara		Italy
83.	Martin	Lutz	Dr.	Germany
84.	Mazzoni	Stefania	Prof. Dr.	Italy
85.	Meijer	Diederik	Dr.	Netherlands
86.	Michel	Patrick Maxime		Switzerland
87.	Mittertrainer	Anahita		Germany
88.	Muenger	Stefan	Dr.	Switzerland
89.	Mühl	Simone	Dr.	Germany
90.	Mustafayev	Mikayil		Azerbaijan
91.	Nandekar	Marita		Switzerland
92.	Nedeltscheva	Bonka		Germany
93.	Nett	Seraina		Denmark
94.	Neumann	Georg	M.A.	Germany
95.	Nicolet	Gregoire		Switzerland
96.	Novák	Mirko	Prof. Dr.	Switzerland







97.	Ökse	Tuba	Prof. Dr.	Turkey
98.	Onur	Turan		Switzerland
99.	Özfırat	Aynur	Prof. Dr.	Turkey
100.	Pagé-Perron	Émilie		Switzerland
101.	Pajarola	Leonardo		Switzerland
102.	Peltenburg	Edgar	Prof. Dr.	England
103.	Perucci	Manuel		Switzerland
104.	Pesonen	Joëlle		Switzerland
105.	Philip	Graham	Prof. Dr.	England
106.	Pittman	Holly	Prof. Dr.	USA
107.	Pizzimenti	Sara	Dr.	Italy
108.	Pruß	Alexander	Dr.	Germany
109.	Pruzsinszki	Regine	Prof. Dr.	Germany
110.	Quenet	Philippe	Dr.	France
111.	Raffainer	Ursin		Switzerland
112.	Rahimova	Maise		Azerbaijan
113.	Rey	Sébastien	Dr.	France
114.	Rosenbauer	Ralph		Switzerland
115.	Rova	Elena	Dr.	Italy
116.	Rutishauser	Susanne		Switzerland
117.	Sachsenmaier	Alexander		Austria







118.	Şahoğlu	Vasıf	Dr.	Turkey
119.	Sakal	Ferhan	Dr.	Germany
120.	Saliola	Francesco		Italy
121.	Sallaberger	Walther	Prof. Dr.	Germany
122.	Saurer	Kristina		Germany
123.	Sauvage	Martin	Dr.	France
124.	Schmidt	Katharina		Germany
125.	Schmidt	Conrad		Germany
126.	Schmidt-Colinet	Constanze		Germany
127.	Schneider	Bernhard		Austria
128.	Schoch	Chiara		Switzerland
129.	Sconzo	Paola	Dr.	Italy
130.	Selz	Gebhard J.	Prof. Dr.	Austria
131.	Sievertsen	Uwe	Dr.	Germany
132.	Simon	Lázló Matthias		Germany
133.	Sollee	Alexander		Germany
134.	Sténuit	Marie-Eve		Belgium
135.	Sternitzke	Katja		Germany
136.	Steymans	Hansulrich	Prof. Dr.	Switzerland
137.	Ströber	Jennifer		Switzerland
138.	Suter	Claudia	Dr.	Switzerland



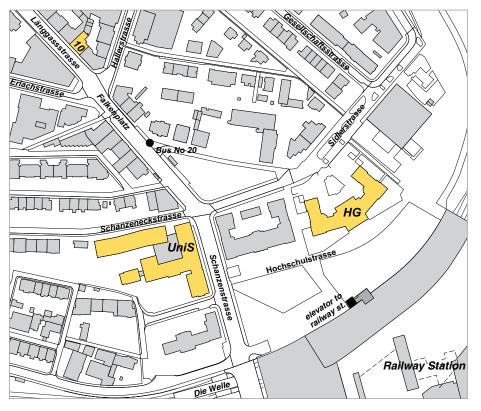
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139.	Thalmann	Jean-Paul	Prof. Dr.	France
140.	Thomalsky	Judith		Germany
141.	Tumolo	Valentina		Italy
142.	Tuncel	Riza	Dr.	Turkey
143.	Urango	Adriana		Switzerland
144.	Vacca	Agnese		Italy
145.	Valentini	Stefano	Dr.	Italy
146.	van Dozel	Monique		Netherlands
147.	van Ess	Margarete	Dr.	Germany
148.	Vanden Borre	Christ		Brepols
149.	Vogel	Helga	Dr.	Germany
150.	von Peschke	Sebastian		Switzerland
151.	Wieland-Leibundgut	Danielle	Dr.	Switzerland
152.	Winzeler	Katja		Switzerland
153.	Wischnewski	Ulrike		Germany
154.	Zbinden	Jürg		Switzerland
155.	Zingarello	Melania	Dr.	Italy

Programme as follows:



Unis: University Schanzeneck, Schanzeneckstrasse1

HG: University main building (Hauptgebäude), Hochschulstrasse 4 10: Institut für Archäologische Wissenschaften, Länggass-Strasse 10

Venue

Public opening lecture on Thursday, December 8th at 1900 University main building (HG), Aula 210

Friday and Sunday, December 9th and 11th University Schanzeneck (UniS), A 003

Saturday, December 10th University main building (HG), 110



Conference attendance is free of charge, we would appreciate if you could register online as we need to know the number of participants for planning purposes.

Conference desk

Thursday: 17⁰⁰ – 19⁰⁰, 20⁰⁰ – 21⁰⁰, HG Friday: $08^{00} - 11^{30}$, $12^{30} - 15^{00}$, $18^{00} - 19^{00}$, UniS Saturday: 8⁰⁰ – 9³⁰, 10³⁰ – 11³⁰, HG Sunday: $8^{00} - 9^{30}$, $10^{30} - 11^{00}$, $12^{30} - 14^{30}$, UniS

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ARCANE

Associated Regional Chronologies for the Ancient Near East and the Eastern Mediterranean

of the Ancient Near East and the Eastern Mediterranean in the 3rd Millennium BC

Final Conference 8th-11th Dec. 2011 Bern (Switzerland)

ARCANE is an interdisciplinary project, which has been funded by the European Science Foundation for five years. Its aim was to create and synchronize regional chronologies for the 3rd Millennium BC.

Within this time span, the project intends to review all aspects of the material culture, together with the artistic manifestations, the historical and epigraphic records and the various methods of dating. Its geographical scope covers the entire Eastern Mediterranean and Near Eastern area, from Egypt to Iran and from Cyprus and Anatolia to the Arab-Persian Gulf.

Since the project has now reached its final phase it is time to publicize the results and open the discussion of the proposed chronologies. The general Synthesis with contributions concerning the periodization and chronology of the different regions, illustrations of the regional assemblages and distribution will be held in Bern from Dec. 8th to 11th 2011.











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ARCANE final conference

Thursday, 8th December 2011

University main building (HG), Aula 210, 1900

Public opening lecture

Prof. Dr. Walther Sallaberger, LMU München

Die Macht der Stadtstaaten

Neue Perspektiven auf die altorientalische Frühgeschichte

Stadtstaaten prägen die älteste politische Geschichte im Alten Orient über das gesamte dritte Jahrtausend hinweg. Hervorzuheben ist die Konstanz dieser politischen Einheiten über lange Zeiträume und bei wechselnden politischen Bedingungen, ob alleinstehend, in Konföderationen oder als Provinzen in Reichen. Der Vortrag befasst sich mit der Definition und Beschreibung der frühen mesopotamischen Stadtstaaten, fragt nach ihrer Entstehung und ihrem Ende und untersucht Krisen des Modells oder mögliche Gegenentwürfe. Diese Diskussion kann sich auf neue Funde von Keilschrifttexten und archäologische Ausgrabungen ebenso wie aktuelle Forschungen stützen.

Friday, 9th December 2011

University Schanzeneck (UniS), A 003

- 09.00 09.15 University representative: Welcome Address
- 09.15 09.25 Heinzpeter Znoj (University representative): Welcome Address
- 09.25 09.45 Barry Dixon (ESF): Opening remarks
- 09.45 10.25 Pierre de Miroschedii & Marc Lebeau: Aim and Specificities of ARCANE
- 10.30 11.00 Coffee Break
- 11.00 11.25 Jean-Paul Thalmann (University of Paris): The ARCANE Database
- 11.30 11.55 Stefano Anastasio (MiBAC, Firenze) & Pino Fenu (METRA, Firenze): Demonstration of the Database
- 12.00 12.25 Pierre de Miroschedji (Centre national de la recherche scientifique): Southern Levant - SL
- 12.30 14.30 Lunch Break
- 14.30 14.55 Raphael Greenberg (Tel Aviv University): Southern Levant SL
- 15.00 15.25 Stefania Mazzoni (Università degli Studi di Firenze): Northern Levant NL
- 15.30 15.55 Jean-Paul Thalmann (University of Paris): Northern Levant NL
- 16.00 16.25 Coffee Break
- 16.30 16.55 Edgar Peltenburg (University of Edinburgh): Cyprus CY
- 17.00 17.25 Riza Tuncel (Eastern Mediterranean University, Ankara) & Fikri Kulakoglu (Ankara University): Western & Central Anatolia - WA
- 17.30 18.00 Vasıf Şahoğlu (Ankara University): Western & Central Anatolia WA

Saturday, 10th December 2011

University main building (HG), 110

- 09.00 09.25 Uwe Finkbeiner (University of Tübingen) & Mirko Novák (University of Bern): Middle Euphrates - ME
- 09.30 09.55 Paola Sconzo (University of Tübingen): Middle Euphrates ME
- 10.00 10.25 Marc Lebeau (European Centre for Upper Mesopotamian Studies, Brussels): Jezirah - JZ
- 10.30 10.55 Coffee Break
- 11.00 11.25 Philippe Quenet (University of Strasbourg): Jezirah JZ
- 11.30 11.55 Dorota Lawecka (University of Warsaw): Tigridian TG
- 12.00 12.25 Elena Rova (Ca' Foscari University, Venice): Tigridian TG
- 12.30 12.55 Pascal Butterlin (University of Paris): Central Mesopotamia CM
- 13.00 14.30 Lunch Break
- 15.00 18.30 Open Programme:
 - Visit of the Old Town of Bern (UNESCO World Heritage)
 - Demonstration of the Database



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Sunday, 11th December 2011

University Schanzeneck (UniS), A 003

09.00 - 09.25	Pascal Butterlin (University of Paris): Central Mesopotamia - CM
09.30 - 09.55	Margarete van Ess (Deutsches Archäologisches Institut): Southern Mesopotamia - SM
10.00 - 10.25	Barbara Helwing (German Archaeological Institute): Western Iran - WI
10.30 - 11.00	Coffee Break
11.00 – 11.55	Georg Neumann (University of Tübingen): Western Iran - WI
12.00 – 12.25	Walther Sallaberger (LMU Munich): History and Philology: Why does the hitorical chronology not easily match the archaeological chronology? - HE
12.30 - 14.00	Lunch Break
14.00 - 14.25	Holly Pittman (University of Pennsylvania): Glyptic & Art History - GA
14.30 – 14.55	Petr Charvát (Charles University, Prague): Glyptic & Art History - GA
15.00 – 15.25	Elisabetta Boaretto (Weizmann Institute of Science, Rehovot): Dating Technologies - RC
15.30 - 16.00	Coffee Break

16.00 – 16.55 Pierre de Miroschedji & Marc Lebeau: General results 17.00 – 18.00 Concluding Party ARCANE Chronology & ARCANE Future



CM: Central Mesopotamia CY: Cyprus JZ: Jezirah

SC: Southern Caucasus SL: Southern Levant ME: Middle Euphrates SM: Southern Mesopotamia

TG: Tigridian Region **UE: Upper Euphrates** WA: Western and Central Anatolia WI: Western Iran