Funereal science

The early years: Azuara as established impact structure

the impact database of the Canadian Geological Survey under R.A.F. Grieve.

Lunar & Planetary Science Conference)

today, as not only the Wikipedia revision proves.

Surrealism (as F.M.C. called it).

impact structures alone.

Current state

In 1985, Lunar and Planetary Science Letters publishes the first article on the impact origin of the

Azuara structure. Because of the shock effects with the impact-typical crystallographic directions of

the PDF published there as photos and histograms and more shock evidence, Azuara is generally

regarded as an established impact, published in corresponding lists and articles and included in

The manipulation of F. Langenhorst and A. Deutsch (Article

1996 the LPSC article of F. Langenhorst and A. Deutsch appears, in which the shock effects for

Azuara are questioned and Azuara is explained as tectonic. They deduce this from a single thin

section that K.E. had sent them with a question about basal planar features in quartz, which came

from a sample far outside the Azuara structure. K.E. alerts the two authors to their glaring error

and asks for the article to be withdrawn, which is refused. K.E. accuses them of scientific

dishonesty. This dishonesty should have consequences for the impact research, which last until

The Azuara research proposes Rubielos de la Cérida as a nearby large companion impact with all

generally accepted impact features.- The 6th IMPACT workshop on "Impact Markers in the

Stratigraphic Record" was held in Granada 2001. Four posters by F. Anguita, F. Claudin, K.

Ernstson, T. Ernstson, M.Hiltl, K. Hradil, M. Rampino, and U. Schüssler in varying co-authorships

were applied to the Spanish Azuara and Rubielos de la Cérida impact structures. In the final

discussion under C. Koeberl the Azuara shock evidence (extensive and very thorough PDF

analysis made by Dr. A. Therriault from the Canadian Geological Survey) was doubted. A

comprehensive article on the newly established Rubielos de la Cérida impact with all evidence

etablished in impact research, was submitted to Earth and Planetary Science Letters, but with

reviews by R.A.F. Grieve and, especially unsightly, by C. Koeberl rejected. Strong objection to the

who felt fully strengthened in their now quite intensified total rejection of the big impact. In 2002,

geologists from the University of Zaragoza publish an article in Meteoritics & Planetary Science, in

which the conventional geology of the region is contrasted with the new impact hypothesis. The

article is a farce, in which all published impact findings are explained by "normal" geology, which is

accepted in a peer-review farce of the journal, the Associate Editor of which at that time was A.

Deutsch. And we remind that Christian Koeberl belonged to the Publication Committee of the

Meteoritical Society, publisher of MAPS. At the same time, the Canadian Earth Impact Database

moves to the University of New Brunswick, where John Spray takes over. This goes along with the

fact that Azuara is completely deleted from the database. When a little later F.M.C. asks in an

email to Spray why Azuara was deleted and Rubielos de la Cérida was not included despite

overwhelming published impact evidence and if he, F.M.C., could send him relevant articles, Spray

replies that F.M.C. could do that but that he would not read it. The influence of the Spanish

geologists from Zaragoza in their rejection of the impact is so great that the large regional daily

newspaper El Periódico de Aragón carries a multi-column article with a photo, in which the

geologists claim without proof that the impact researchers secretly and "by night and fog" bring

alleged impact rocks across the border to Germany to sell them on the internet. Geological

twin impact structure Azuara and Rubielos de la Cérida is published by the University of

Barcelona, which is widely ignored in the literature until today. Credit for this publication is basically

due to only one geologist in Spain, Prof. Dr. Francisco Anguita of Planetology at the Complutense

University of Madrid. He is committed to impact research on Azuara and Rubielos de Cérida,

especially as new publications continue to appear from the impact researchers, especially

extensively on the Internet. Prof. Anguita organizes an excursion for a larger group of students of

geology of the University of Madrid and invites professors and lecturers of all Spanish universities

to this excursion together with the impact researchers. Large number of registrations, but in the

end only one professor from Salamanca participates in the excursion. The campaigns of

Langenhorst, Deutsch, Koeberl and the geologists of the University of Zaragoza do not miss their

effect. More shocking is the message from Madrid. There, more and more students are interested

in a geological examination thesis in the nearby impact structures, about which in the meantime

extensive information has become available on the Internet, and ask their professors about the

possibilities. The unanimous answer: If you ever want to make a career in geology, leave the

To this day, in none of even the most recent Spanish articles and reference books on the region

there appears a discussion of Azuara, even in the latest textbooks Azuara does not even appear in

the subject index. In none of the compilations of the last decade (books and articles about the

present state of impact research with listings of terrestrial impact structures, Azuara and Rubielos

de la Cérida are mentioned at all or at most in a few cases as not proven. For authors of articles

submitted to journals that cite Azuara or Rubielos de la Cérida in comparisons, peer reviewers

require that this be eliminated because, according to the database, an impact is not verified.

In the same year 2002, the first extensive open access peer-reviewed 60 page-article on the

The falsification by F. Langenhorst and A. Deutsch was a nice gift for the Spanish geologists,

The early 2000's: The controverse and the concerted

campaign against the Spanish impact event begins

editor of EPSL gave the answer that the editor must rely on the reviewers.

The Canadian Earth Impact Database, Wikipedia and the Azuara and Rubielos de la Cédrida (Spain) Impact Case

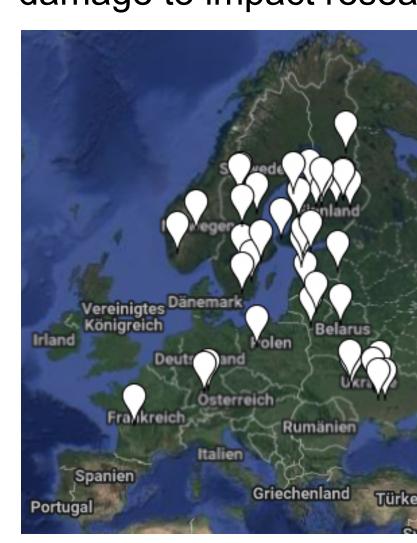
F.M. Claudin¹ and K. Ernstson²

1 Associate Geological Museum Barcelona (Spain); fclaudin@xtec.cat, 2 University of Würzburg, 97074 Würzburg (Germany); kernstson@ernstson.de

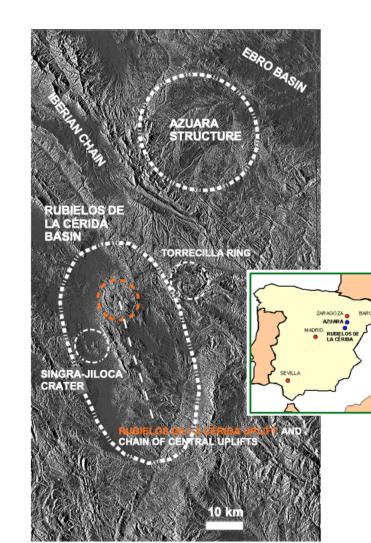
The Earth Impact Database and Wikipedia falsifications

We report on the mid-Tertiary multiple Azuara impact event (Spain) with the Azuara impact structure and the Rubielos de la Cérida impact basin and the chequered history of their discovery and their place in impact research.

Introduction A newly posted revision of the Wikipedia article Azuara Impact Structure denies an impact origin for Azuara, citing a "mainstream opinion" and the Canadian Earth Impact Database. It refers to articles more than 20 years old, and removes impactshock evidence from previous Wikipedia versions. We report here the unspeakable story about one of the world's most remarkable giant impact events, beginning in 1985, reaching a new low-point with the new Wikipedia revision, and causing unimaginable damage to impact research.

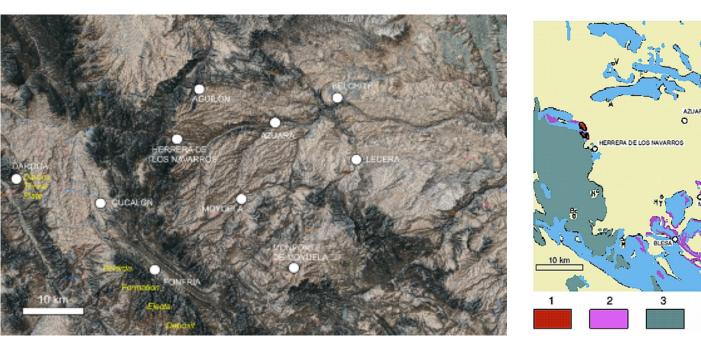


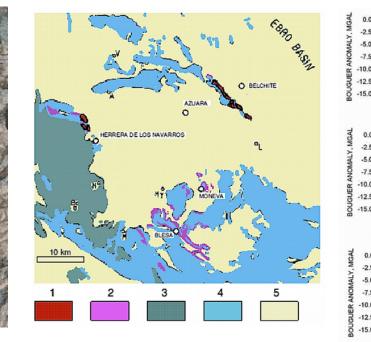
Impact structures in Europe: The Canadian Earth Impact datebase ignoring one of the world's most prominent impact events: The Mid-Tertiary Azuara multiple impact event in Spain.

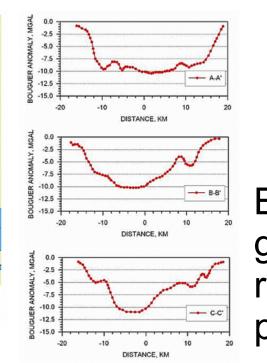


The Azuara multiple impact event comprising the 40 km-diameter Azuara structure, the 80 km x 40 km sized Rubielos de la Cérida crater chain impact basin, the Torrecilla 10 km ring structure, and the 10 km-diameter Singra-Jiloca impact structure.

The Scientific Truth about Azuara and Rubielos de la Cérida







geomagnetic Bouguer gravity residual

Azuara impact : Digital Terrain Model Geological general map

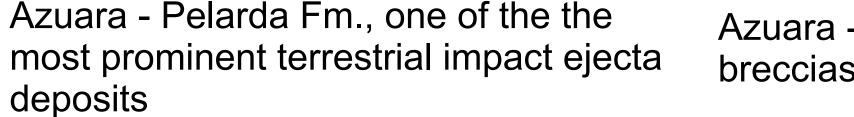


deposits

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megabreccia deposit

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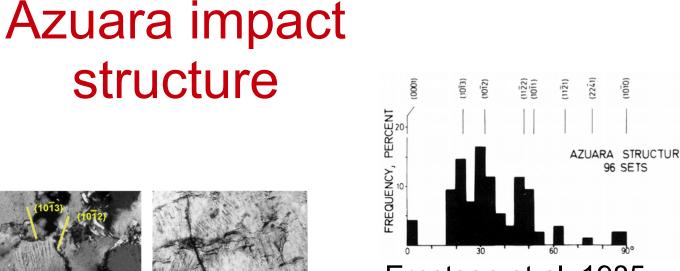


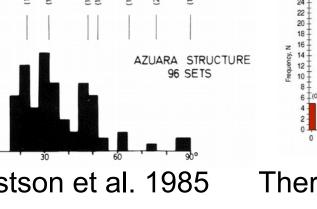
structure



Azuara - extended

Azuara - breccia dikes

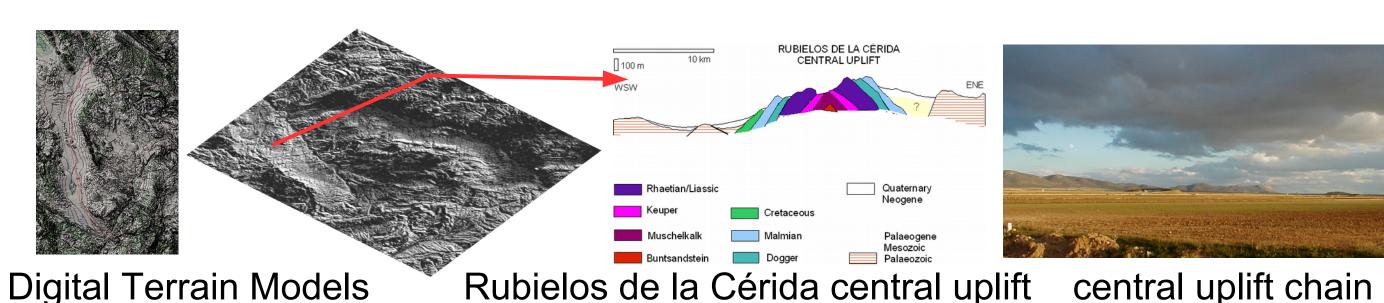




Therriault. 2000

Azuara PDF Azuara - Shock metamorphism: shock melt, diaplectic glass, PDFs (3x), multiple sets of PFs, extremely kinked mica

Rubielos de la Cérida impact basin and crater chain

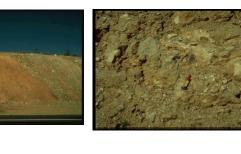


Rubielos de la Cérida central uplift





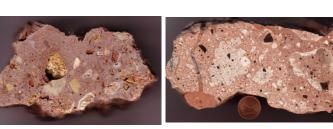






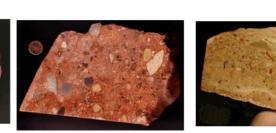


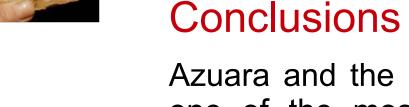
Megabreccias











Azuara and the Rubielos de la Cérida crater chain can be considered today as one of the most remarkable impact events worldwide with all the evidence consistently accepted in impact research (Figures), which is met in the Canadian Impact Database in this abundance and stringency by only very few of the impacts considered proven there. The Spanish impacts are easily accessible and verifiable directly or with samples in the laboratory. We leave it to the reader to ponder why a small group of influential impact researchers behave in such a manner, abandoning all honest science. What is almost worse: By this blockade of most exciting and spectacular research results, something tremendously important is taken away and withheld from the younger geology generations, especially in

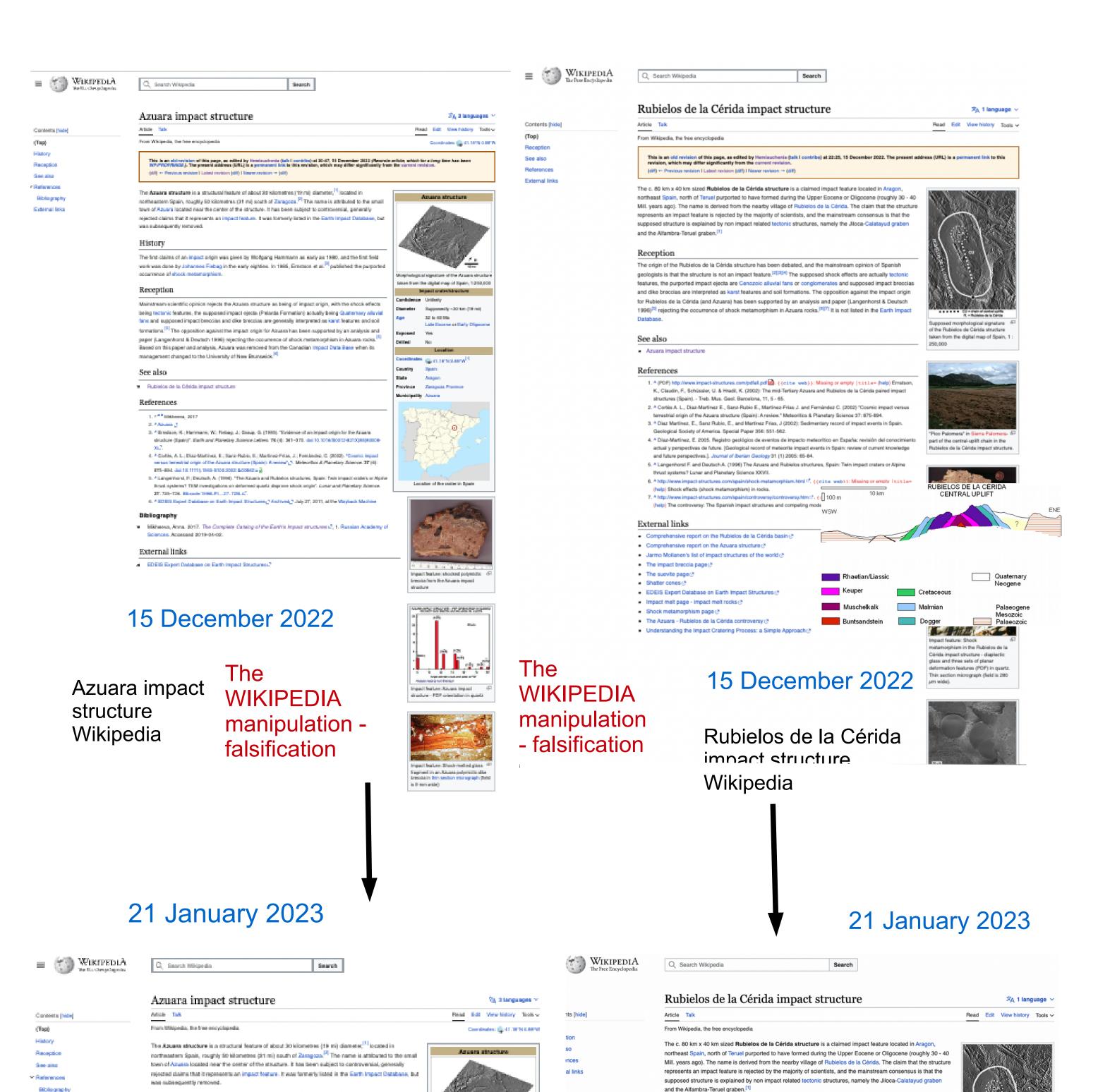
The newly posted revision article shows once again that Wikipedia has in many cases completely abandoned its reputation as a reliable encyclopedia and that obviously administrators manipulatively make common cause with anonymous authors who quote "mainstream opinion" without true references.

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Listing of terrestrial impact structures in recent articles by impact researchers, in which the Spanish multiple impact event with the Azuara impact structure and the Rubielos de Cérida multiple impact crater basin does not exist.

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he first claims of an impact origin was given by Wolfgang Hammann as early as 1990, and the first field

parauteness of shock metamosphism.

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management changed to the University of New Brunswick."

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work was done by Athannes Fishing in the early eighties. In 1985, Emission of al. [2] published the purported

Mainsteam scientific spinion rejects the Azuara structure as being of impact origin, with the shock effects. being tectoric features, the supposed impact ejecta (Pelanda Formation) actually being Custemary alturial

formations. ** The apposition against the impact origin for Azuara has been supported by an analysis and paper (Langeshorst & Deutsch 1999) rejecting the occurrence of shock metamorphism in Azuara rocks. **

Based on this paper and analysis, Aruana was removed from the Canadian Impact Data Base when its

structure (Spain)*. Starth and Planetary Statence Letters, 24 (4): 261-1070, doi:10.1014/50012-6018(80)8000

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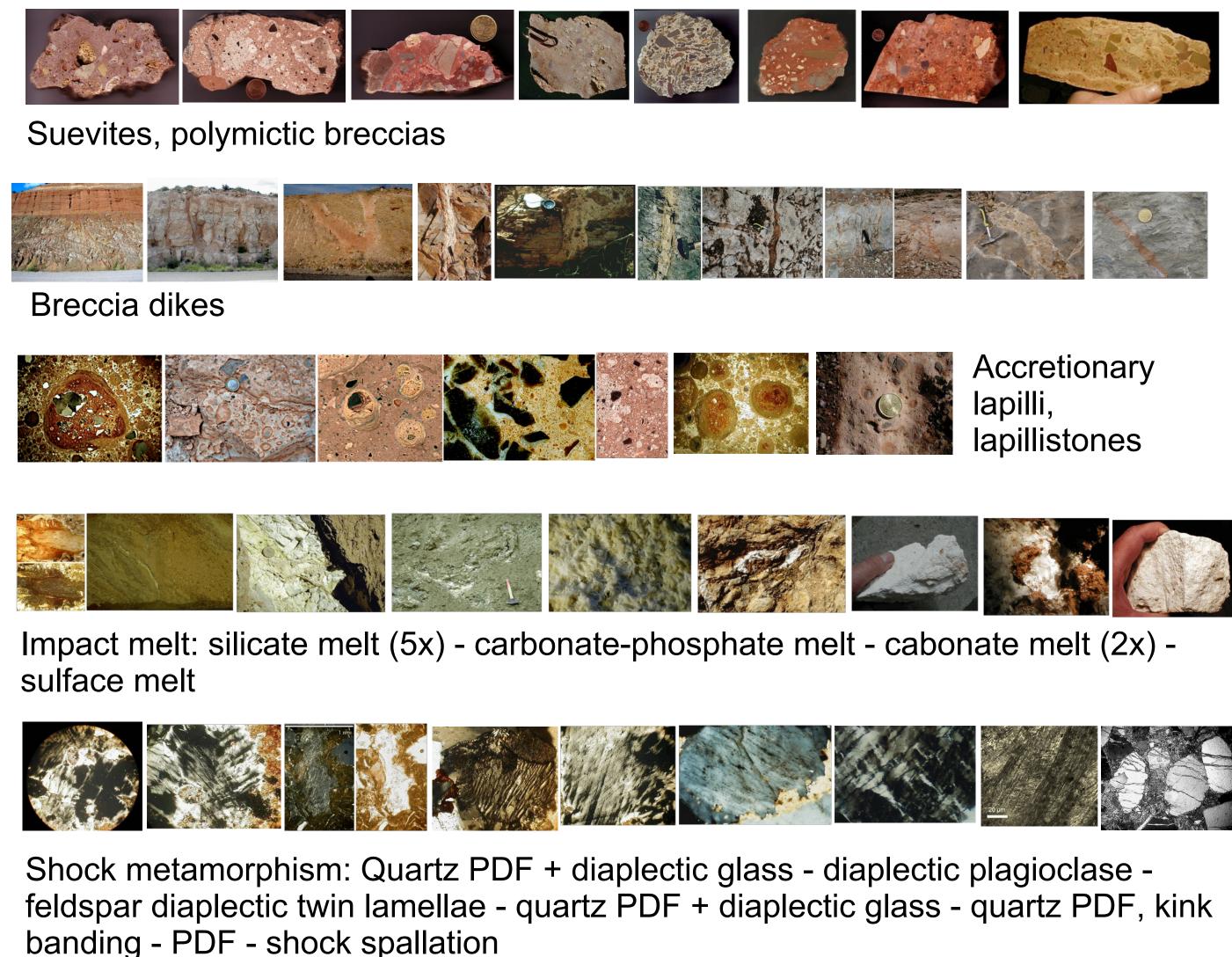
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6. * EDES Expert Database on Earth Impact Structures, 2 Architect 2 July 27, 2011, at the Weyland Machine

Prontince Zaragosa Province

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taken from the digital map of Spain, 1

Ip) Ernstson, K., Claudin, F., Schüssler, U. & Hradil, K.

The origin of the Rubielos de la Cérida structure has been debated, and the mainstream opinion of Spanish

1. ^ (PDF) http://www.impact-structures.com/pdfa the Universidad Complutense de Madrid. The

2. ^ Cortés A. L., Diaz-Martínez E., Sanz-Rubio E earth sciences, primarily on issues that are

A review." Meteoritics & Planetary Science 37:

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record of meteorite impact events in Spain: review of current knowledge and future perspectives.]. Journal of Iberian Geology 31 (1) 2005: 65-84. 5. A Langenhorst F. and Deutsch A. (1996) The Azuara and Rubielos structures, Spain: Twin impact craters or Alpine thrust systems? Lunar and Planetary Science

Azuara impact structure

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3. A Diaz Martínez, E., Sanz Rubio, E., and Martin

4. A Díaz-Martínez, E. 2005. Registro geológico o

geologists is that the structure is not an impact feature. [2][3][4] The supposed shock effects are actually tectonic

features, the purported impact ejecta are Cenozoic alluvial fans or conglomerates and supposed impact breccias

and dike breccias are interpreted as karst features and soil formations. The opposition against the impact origin for Rubielos de la Cérida (and Azuara) has been supported by an analysis and paper (Langenhorst & Deutsch