Reproducció per la conferència celebrada a la Biblioteca Nacional Casa Boaró amb el ministre Juli Minoves Triquell, a càrrec del Sr. Valentí Turu i la participació del Dr. Jordi Carreras, Dr. Peter Nagtegaal i la Dra. Montse Mases, en motiu de la cessió del mapa per part dels autors a l'Arxiu Nacional amb la participació de la Fundació Marcel Chevalier

FRANCE

ESPAÑA

GEOLOGICAL MAP OF ANDORRA

by H.J. ZWART
and J.J.A. HARTEVELT

Scale 1 : 50.000

LEGEND:

QUATERNARY
- Alluvium
- Scree
- Alluvial fan
- Rock glacier

Late Tertiary planation surface

CARBONIFEROUS
- Dark slate, locally micaceous

DEVONIAN
- Nodular limestone, "griotte"
- Calcareous slate and slaty limestone
- Dark-grey limestone
- Slaty limestone and slate
- White slaty limestone in northern zone, probably representing the whole Devonian

SILURIAN
- Black carbonaceous slate
- Chiastolite and andalusite schist

CAMBRO-ORDOVICIAN
- Light-grey to black quartzite
- Light-grey to black quartzite
- Grey or brown slaty limestone
  (Intercalating with or replaced by black slate)
- Coarse sandstone or greywacke
- Fine- to coarsegrained conglomerate
- Light-grey to white quartzite
- Black ferruginous slate
- Grey or yellow limestone and marble
  (Ransol formation (intercalating with or replaced by dark banded slate)
- Dark banded slate

METAMORPHIC FACIES OF CAMBRO-ORDOVICIAN
- Phyllite with superposed staurolite, andalusite and cordierite metamorphism
- Muscovite - biotite - schist
- Staurolite - andalusite - cordierite - schist
- White or grey marble (cipolin) (Possibly partly equivalent of Canaveilles series)
- Amphibolite

MIGMATITE
- Sillimanite - gneiss

GNEISS
- Linear muscovite - biotite - augengneiss
- Muscovite - granite and Pegmatite

LATE CARBONIFEROUS INTRUSIVES
- Biotite - granodiorite
- ~~Beta~~ Aplite Myke
- Quartz - vein

CONTACT METAMORPHISM
- Andalusite - cordierite hornfels
- Chiastolite - hornfels
- Marble

- Mylonitized migmatite

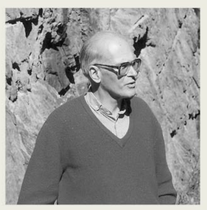
- Normal contact
- Transitional contact
- Fault and Macro joint
- Fossil locality
- Economic deposits: Fe - Iron

(Initial meridian of Madrid 0°0' ; meridian of Paris = 6°0'/29")

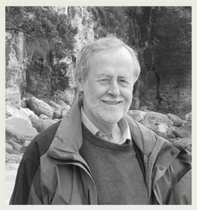
Vers Ax-les-Thermes
l'Hospitalet
Vers Bourg-Madame
A Seo de Urgel

El mapa geològic d'Andorra de 1968-2008: un projecte amb història

28 de febrer 2008



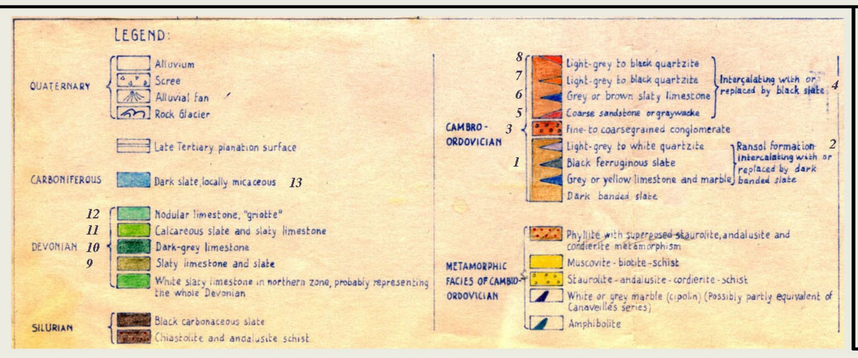
H.J. Zwart



J.J.A. Hartevelt

ARXIU NACIONAL D'ANDORRA

M. Chevalier
Fundació Marcel Chevalier
per a l'estudi de les ciències naturals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Rock glacier
Late Tertiary planation surface
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Black carbonaceous slate
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4 (Intercalating with or replaced by black slate)
3 Fine- to coarsegrained conglomerate
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Amphibolite

Formacions del Devonià

13	*Fm Civis*
12	*Fm Compte*
11	*Fm Manyanet*
10	*Fm Basibé*
9	*Fm Rueda*

Formacions del Cambro-Ordovicià

8	*Quarcita de Bar*
7	*Membre quarcític de la Fm Ansobell*
6	*Fm Estana*
5	*Fm Cava*
4	*Fm Ansobell*
3	*Conglomerats de la Rabassa*
2	*Fm Ransol*
1	*Fm Seo*

Correlació segons J.J.A. HARTEVELT