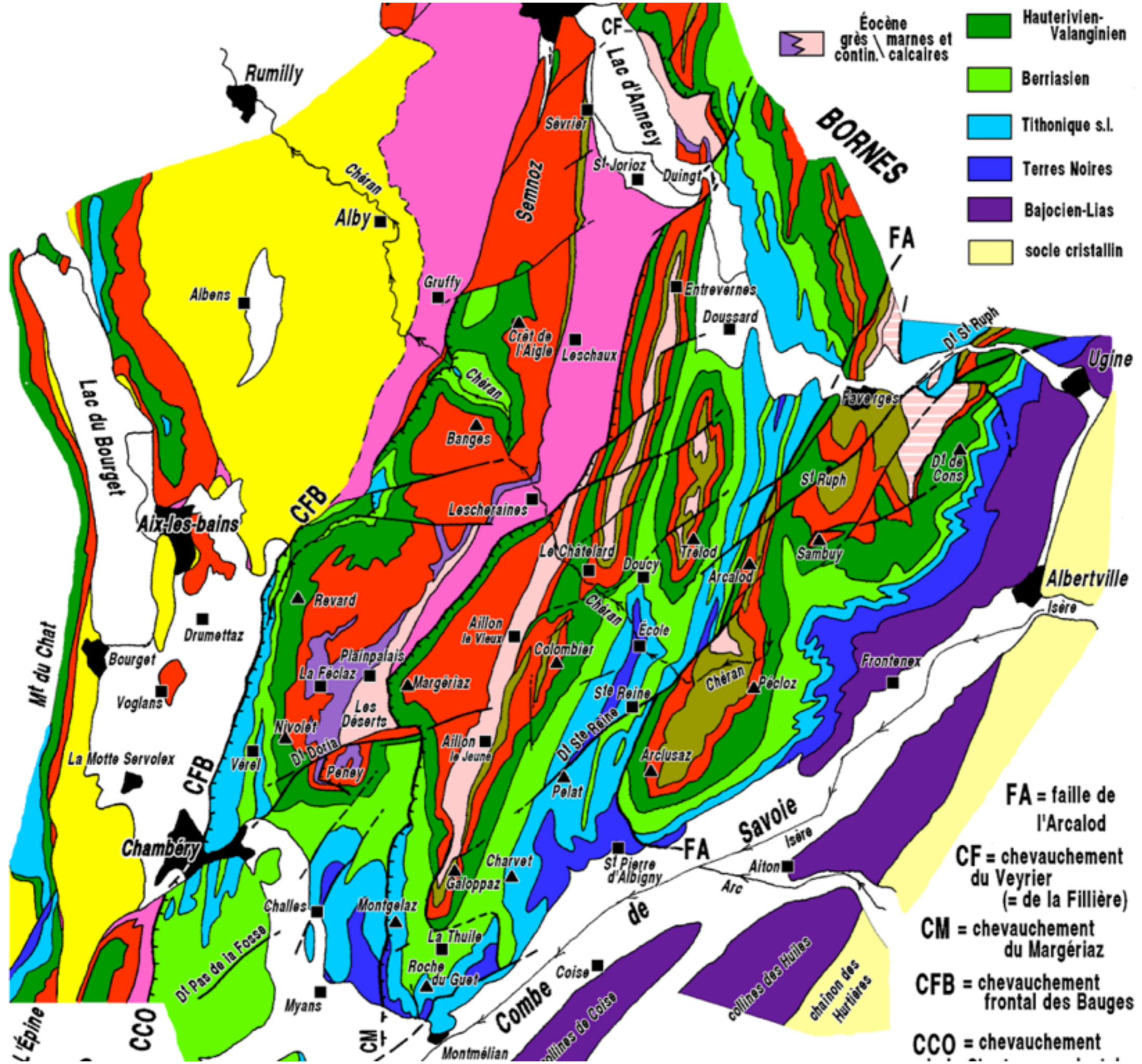




***Le massif des
BAUGES***

***un parcours photographique
à la découverte de
son organisation structurale***

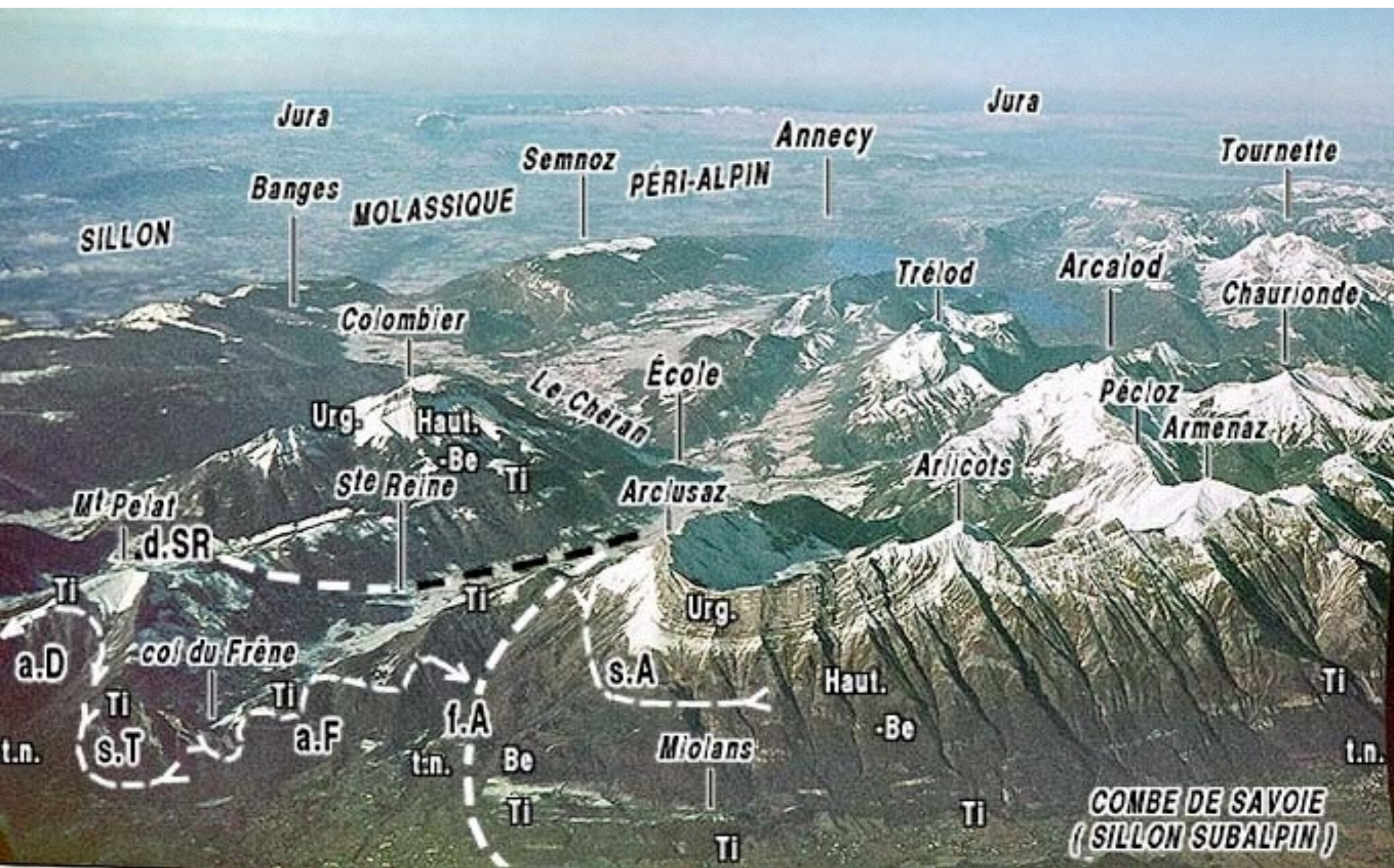


Éocène
grès / marnes et
cont. / calcaires

- Hauteriviens-Valanginiens
- Berriasien
- Tithonique s.l.
- Terres Noires
- Bajocien-Lias
- socle cristallin

FA = faille de l'Arcalod
CF = chevauchement du Veyrier (= de la Fillière)
CM = chevauchement du Margériaz
CFB = chevauchement frontal des Bauges
CCO = chevauchement





Jura

Jura

Annecy

Tournette

Semnoz

PÉRI-ALPIN

Banges

MOLASSIQUE

SILLON

Trélod

Arcalod

Chaurionde

Colombier

École

Le Chéran

Pécloz

Armenaz

Urg.

Haut.

-Be

Ti

Arclusaz

Arlicots

Mt Pelat

d.SR

Ti

Ti

Urg.

s.A

Haut.

-Be

Ti

a.D

col du Frêne

Ti

Ti

f.A

t.n.

Be

Miolans

-Be

t.n.

s.T

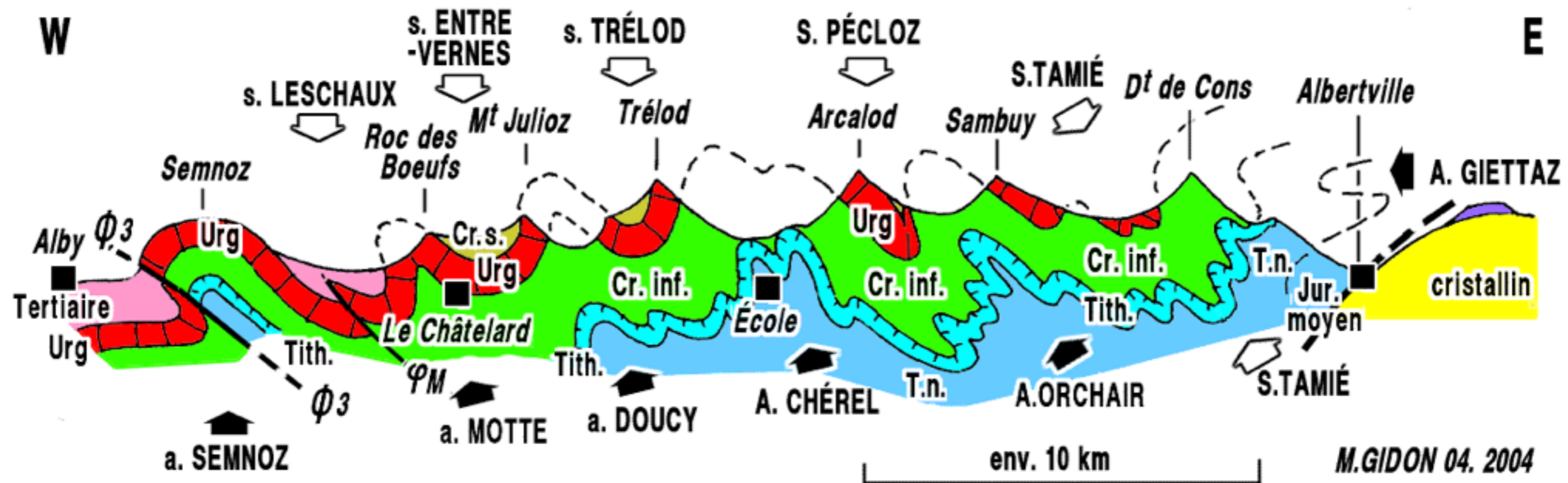
a.F

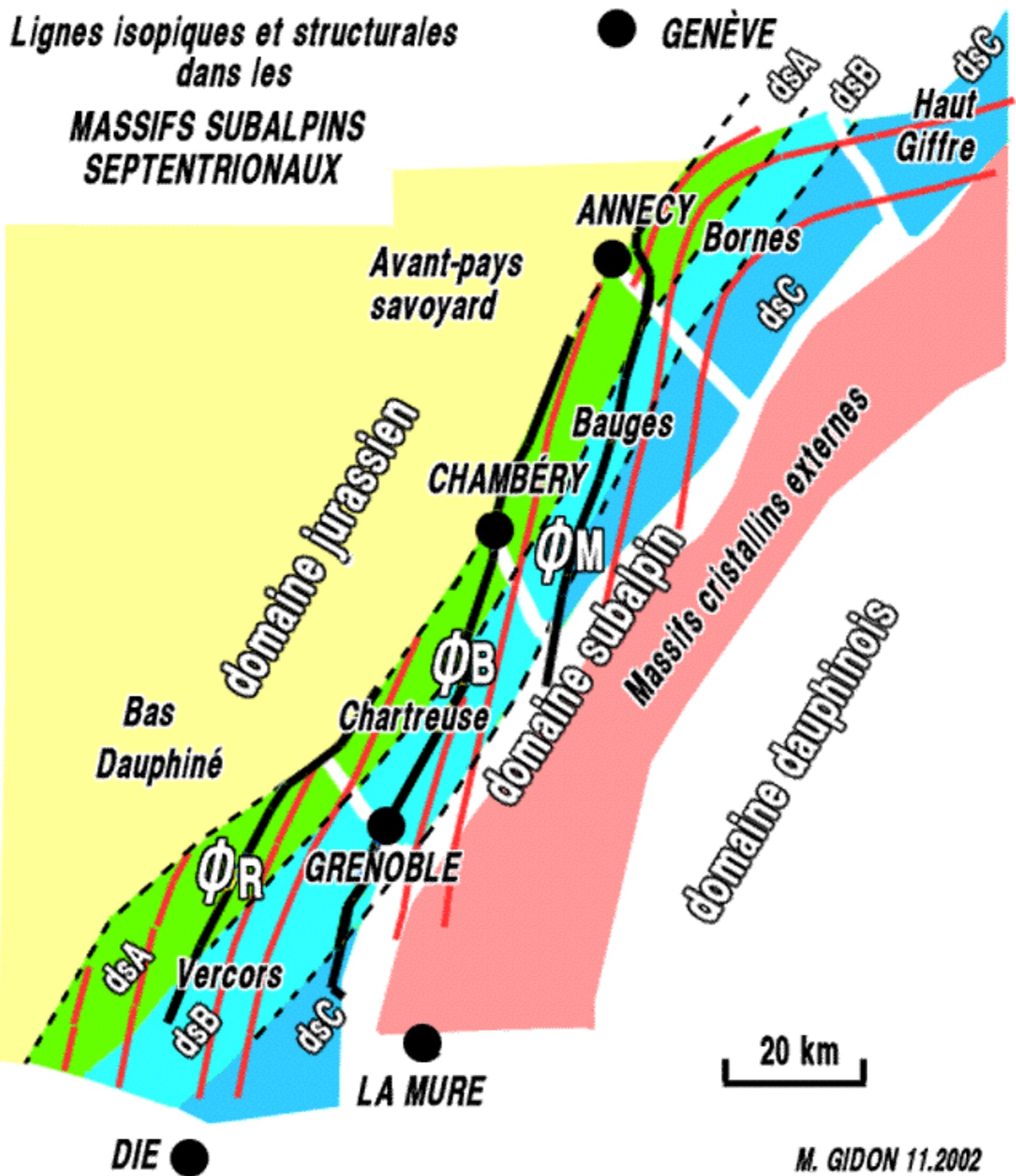
Ti

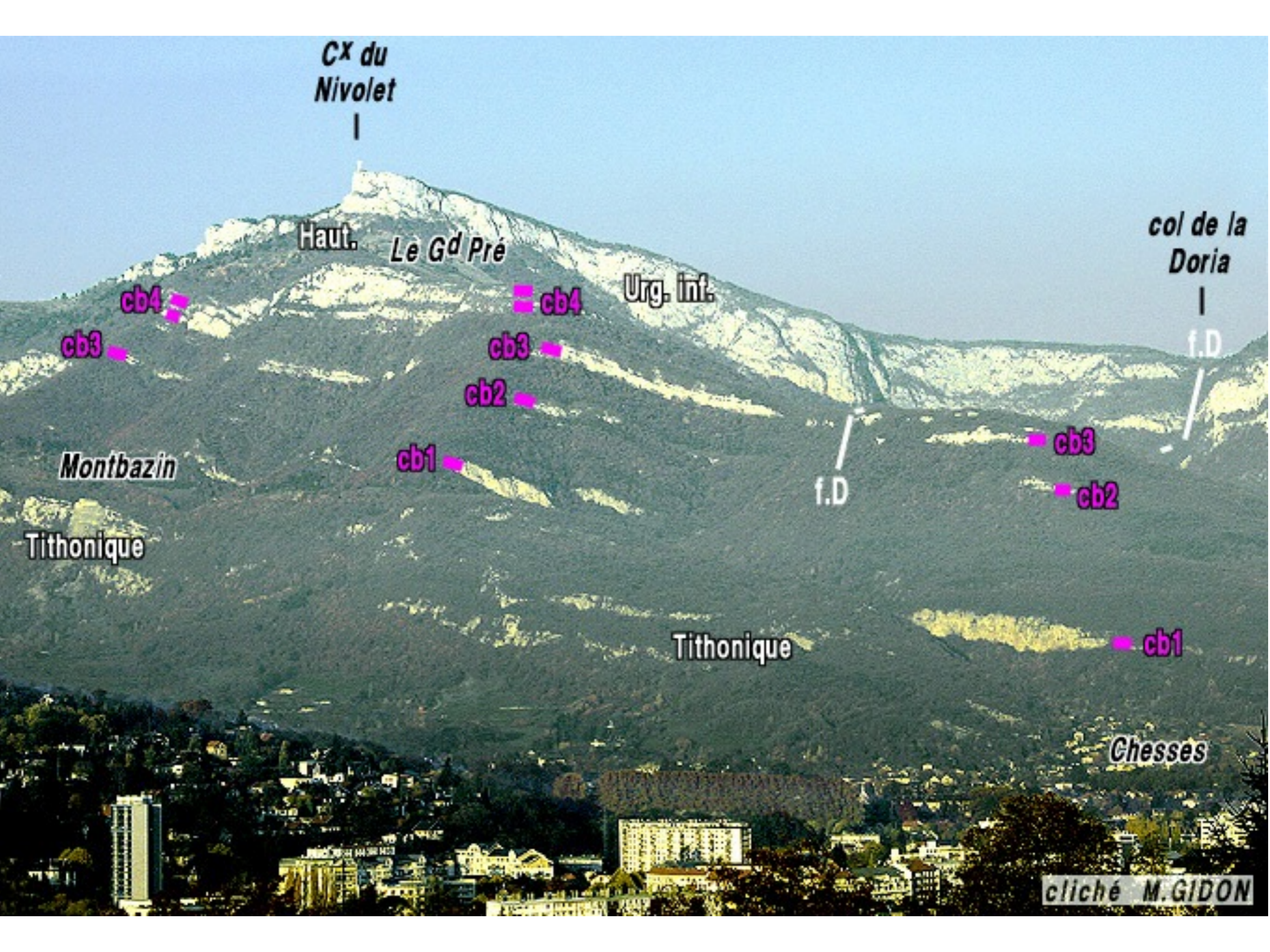
Ti

Ti

COMBE DE SAVOIE
(SILLON SUBALPIN)







CX du Nivolet

Haut. Le Gd Pré

Urg. int.

col de la Doria

cb4
cb3

cb4
cb3
cb2

cb3
cb2

cb1

f.D.

f.D.

Montbazin

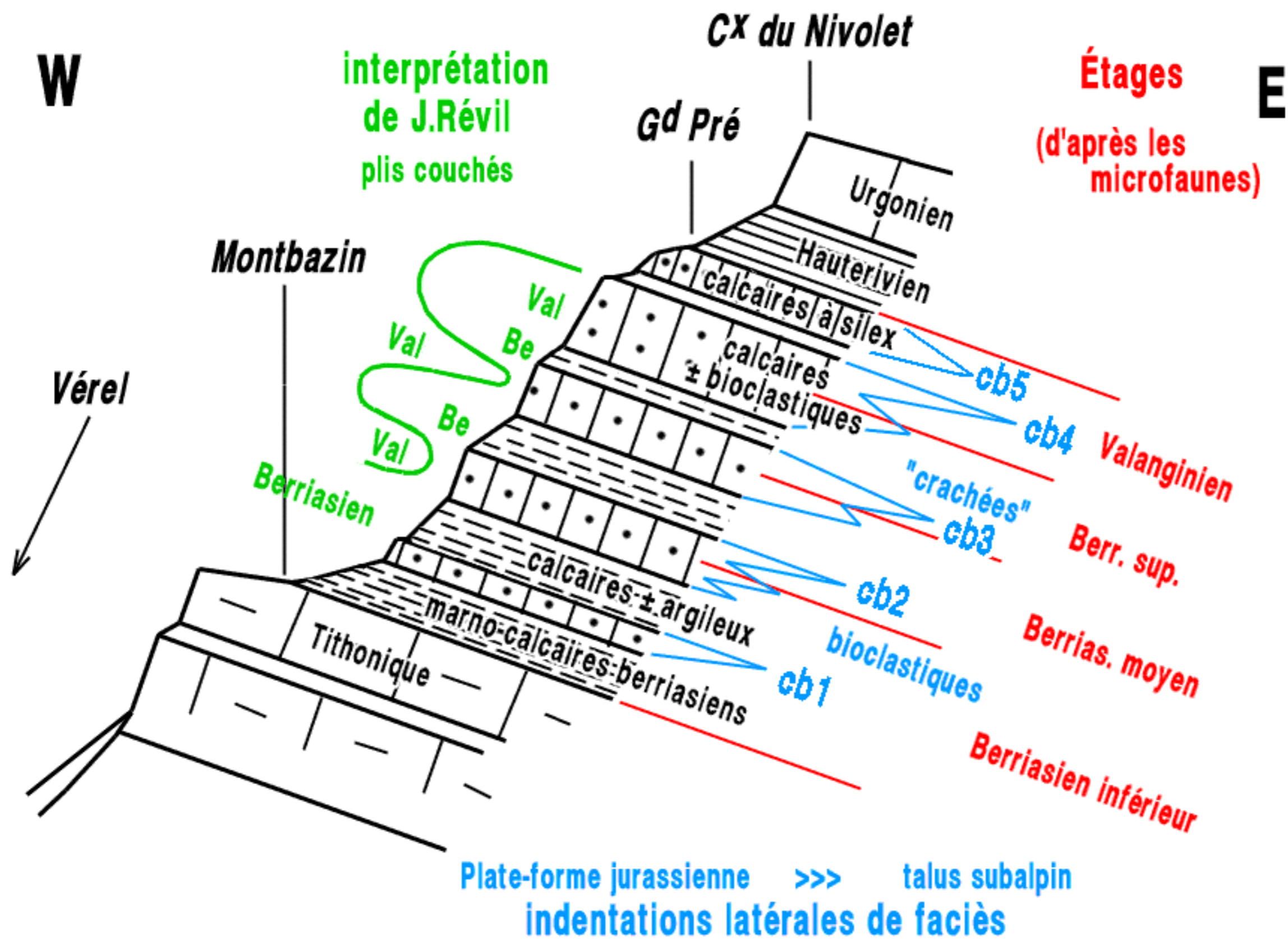
Tithonique

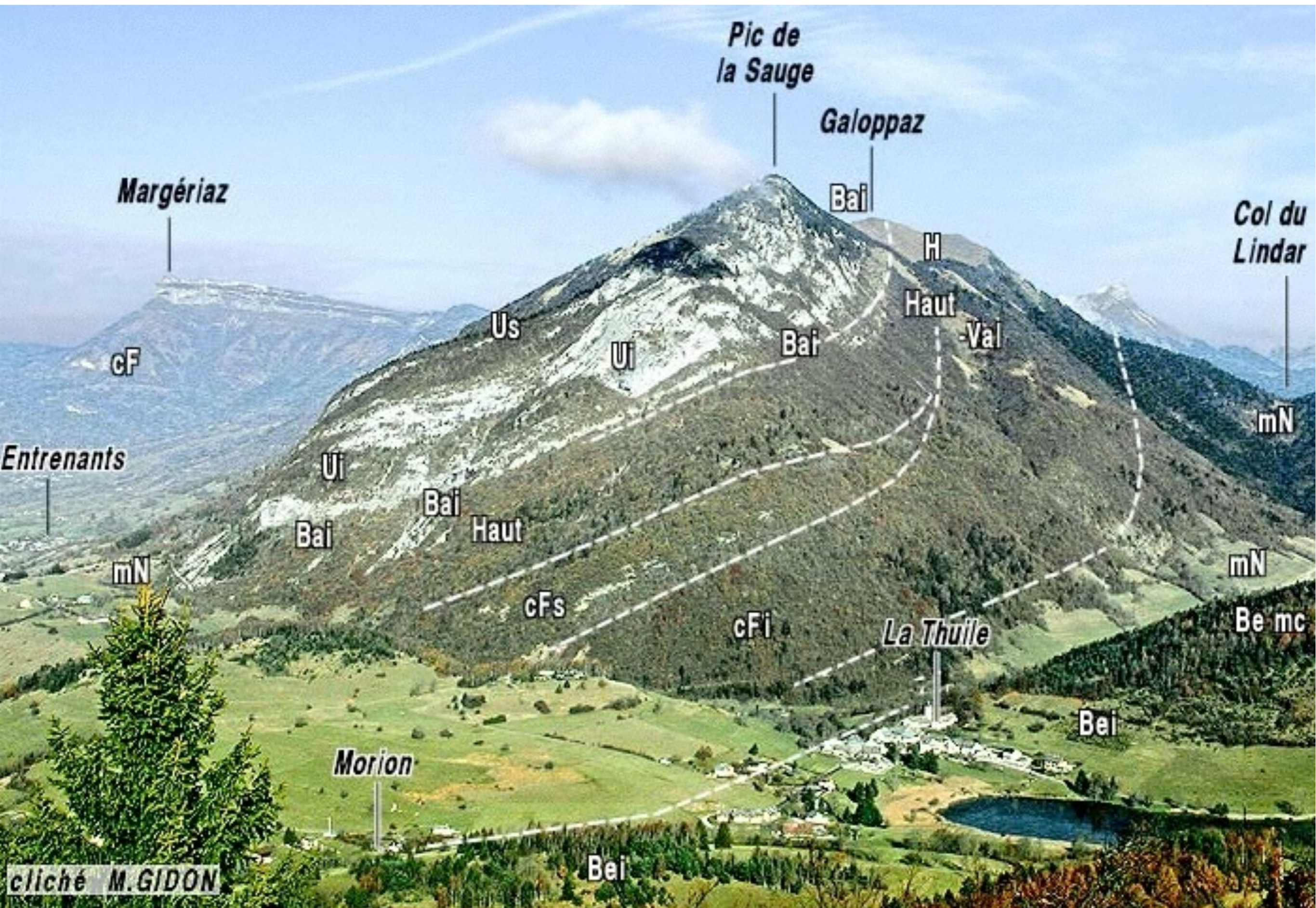
Tithonique

cb1

Chesses

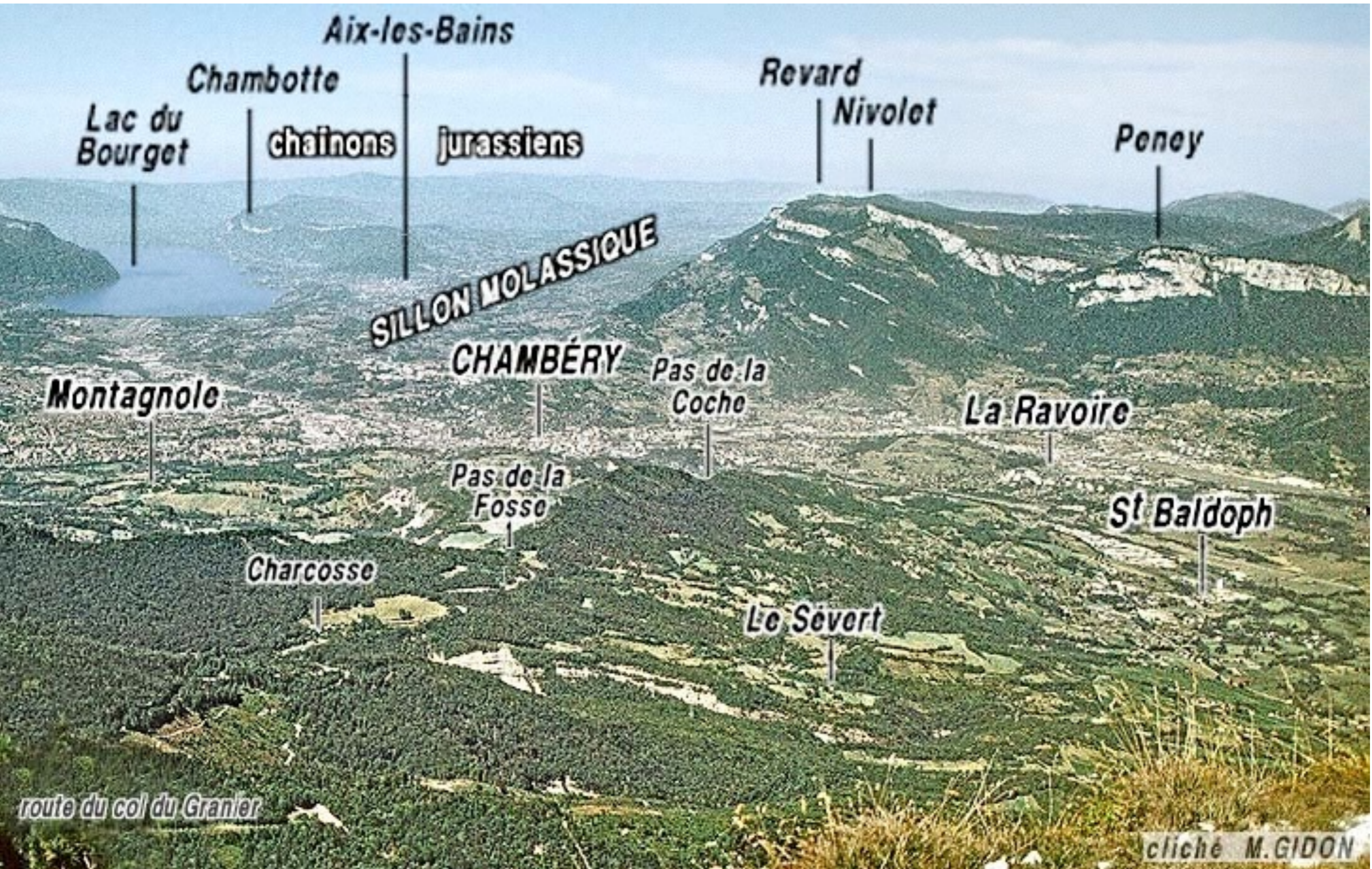
cliché M.GIDON





***Les montagnes de la
bordure occidentale
du massif des Bauges
(entre Chambéry et Annecy)***





Aix-les-Bains

Chambotte

Lac du Bourget

chainons

jurassiens

Revard

Nivolet

Penoy

SILLON MOLASSIQUE

CHAMBÉRY

Pas de la Cocho

La Ravoire

Montagnole

Pas de la Fosse

St Baldoph

Charcosse

Le Sévert

route du col du Granier

cliché M. GIDON

W

E

CHEVAUCHEMENT
FRONTAL
DES BAUGES

"SYNCLINAL"
DES DÉSERTS

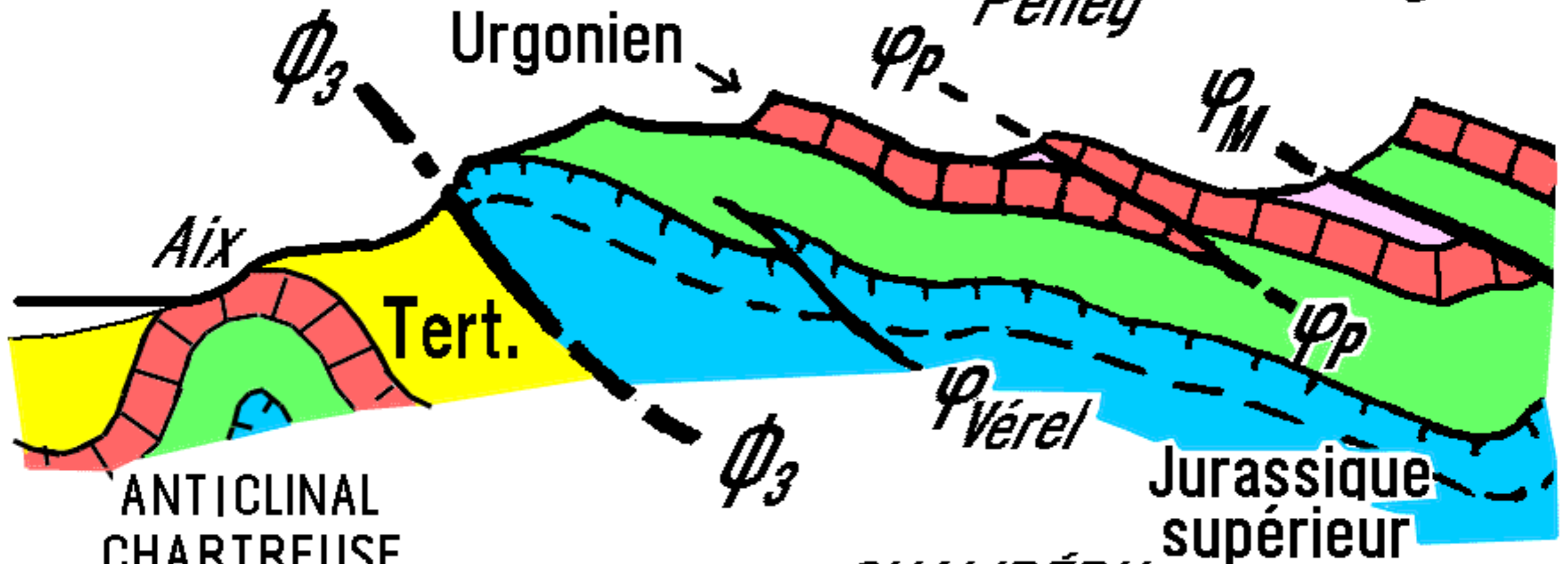
Revard Nivolet
Urgonien

Peneu

Margériaz

Aix

Tert.

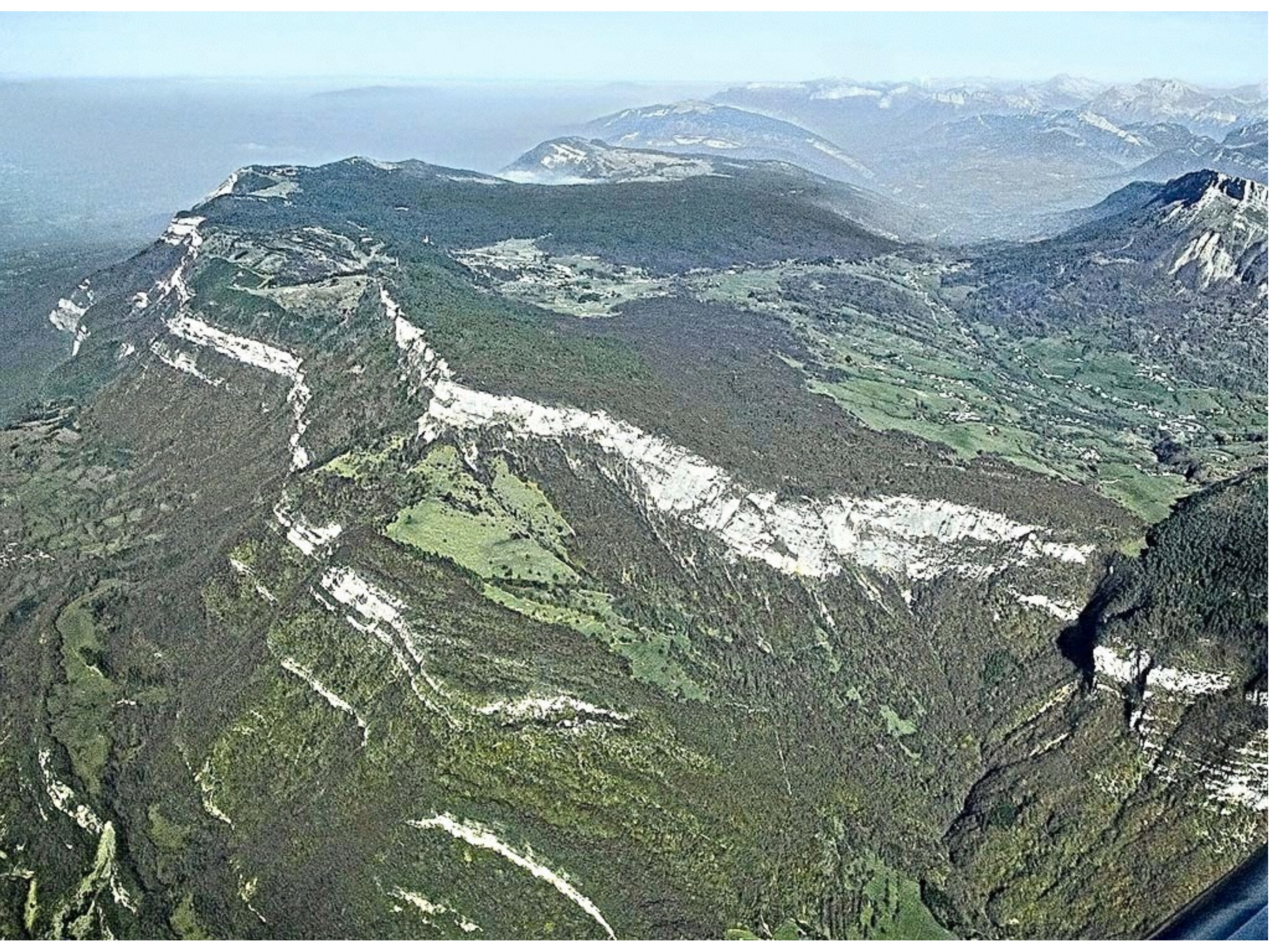


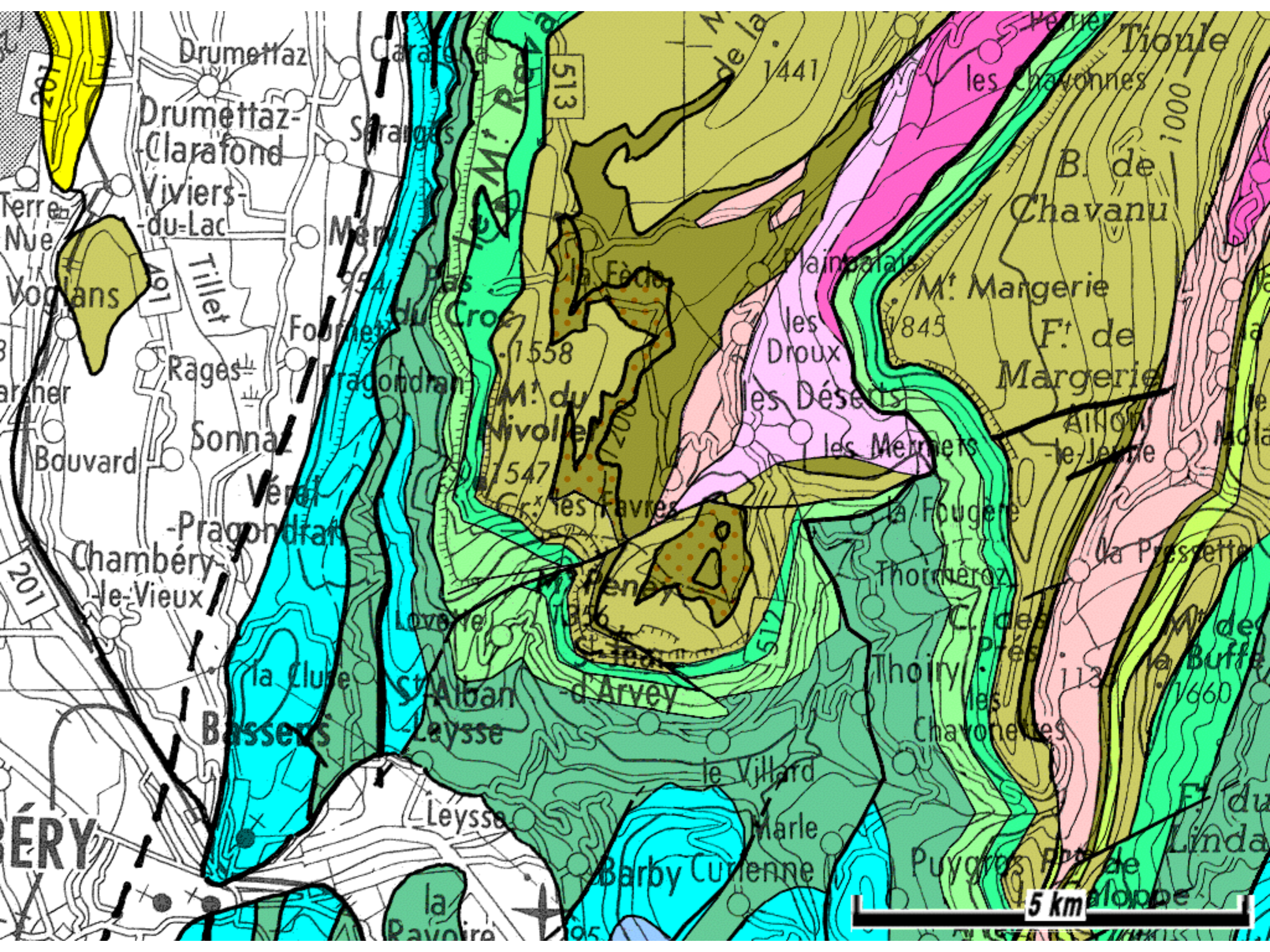
ANTICLINAL
CHARTREUSE
MÉDIANE

CHAMBÉRY

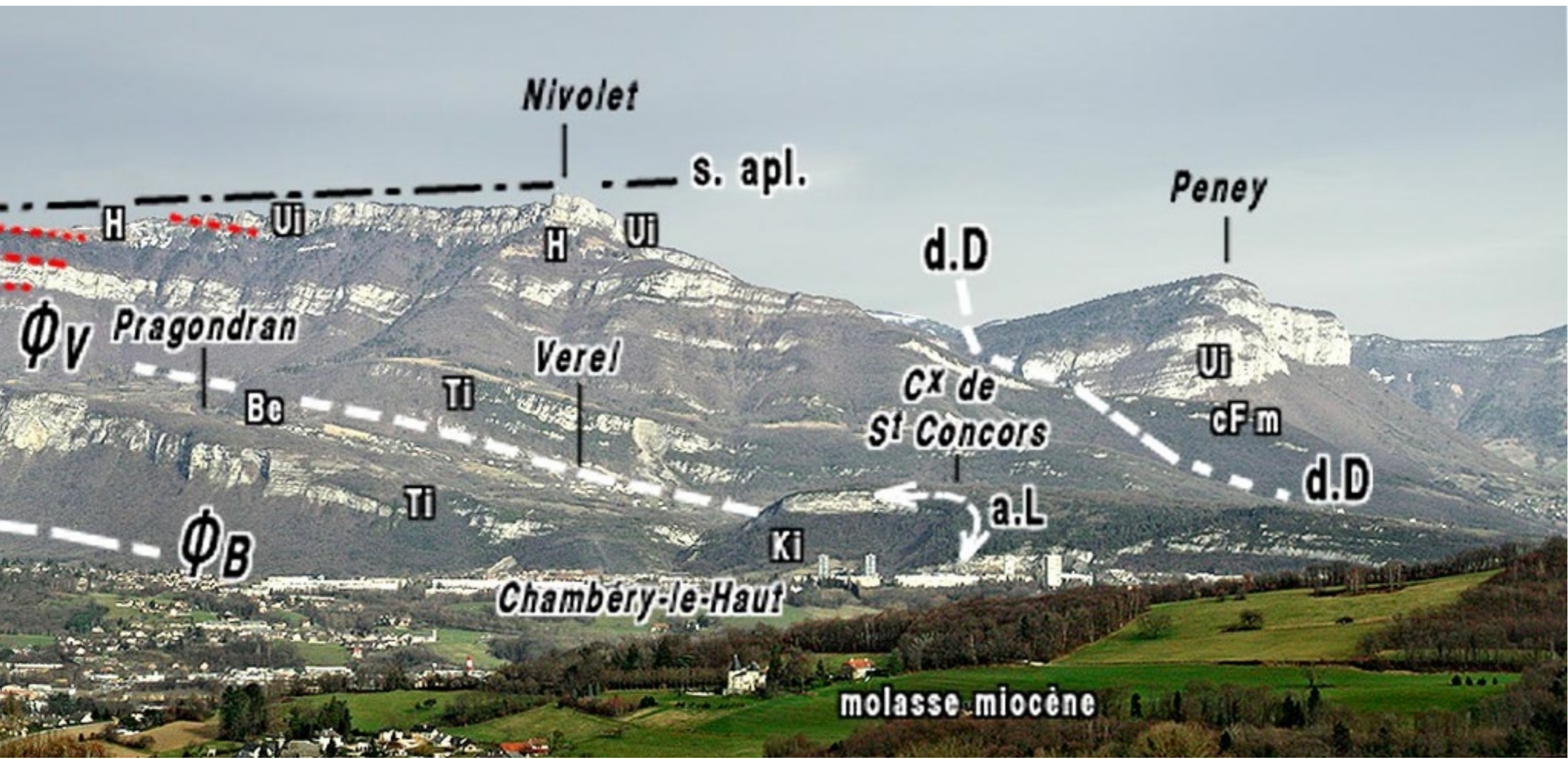
Jurassique
supérieur

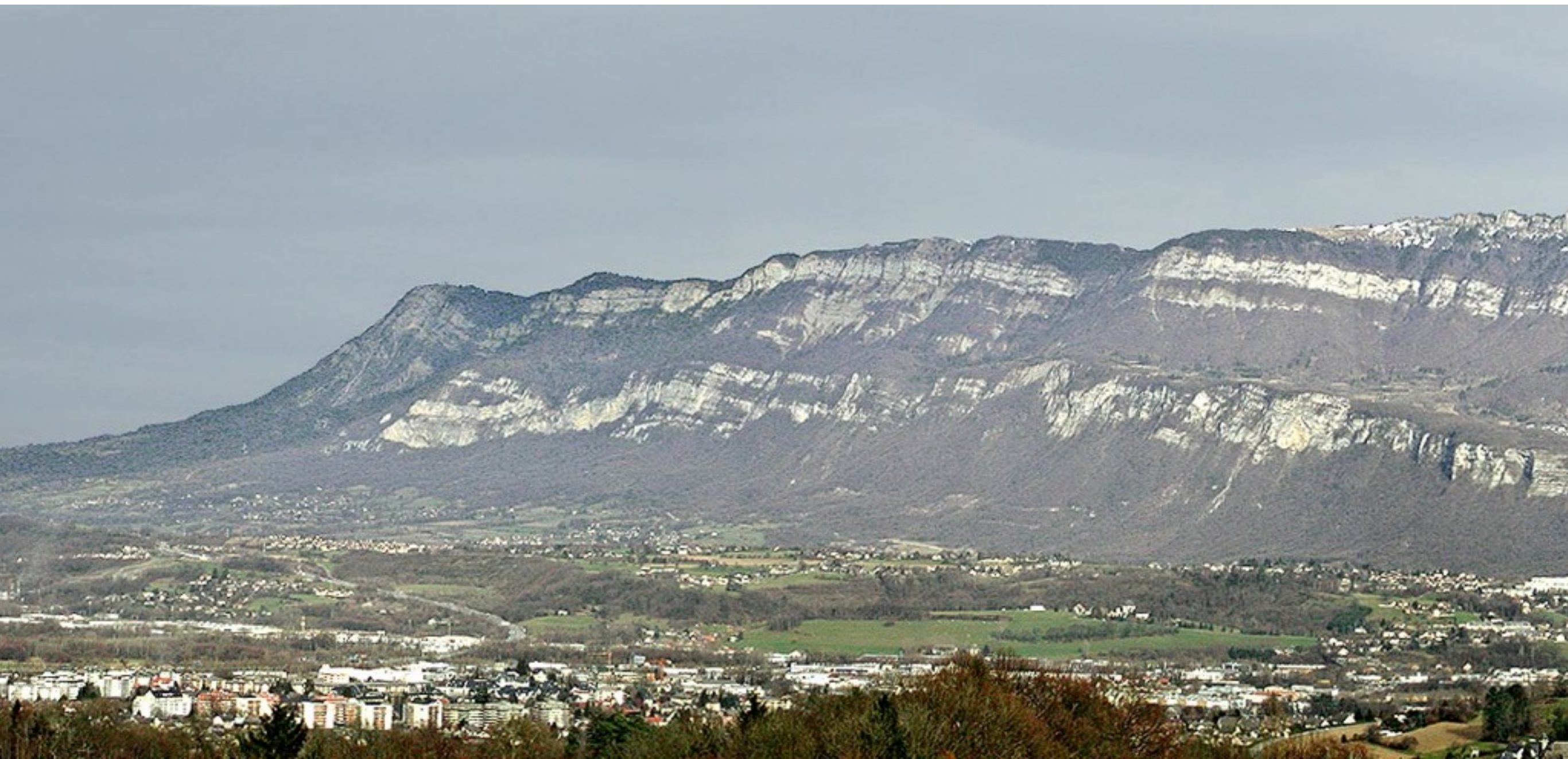
M. GIDON 1999

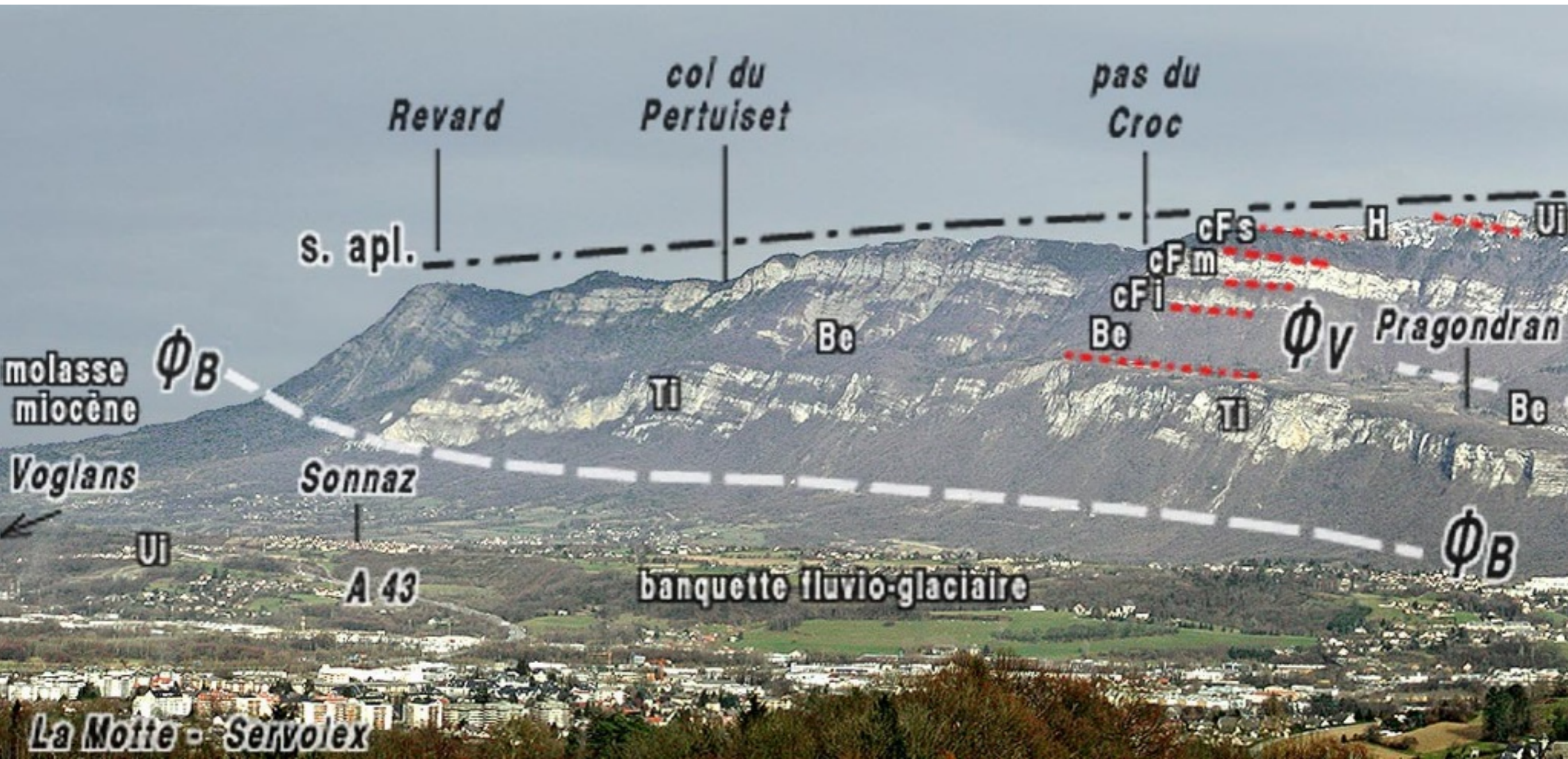


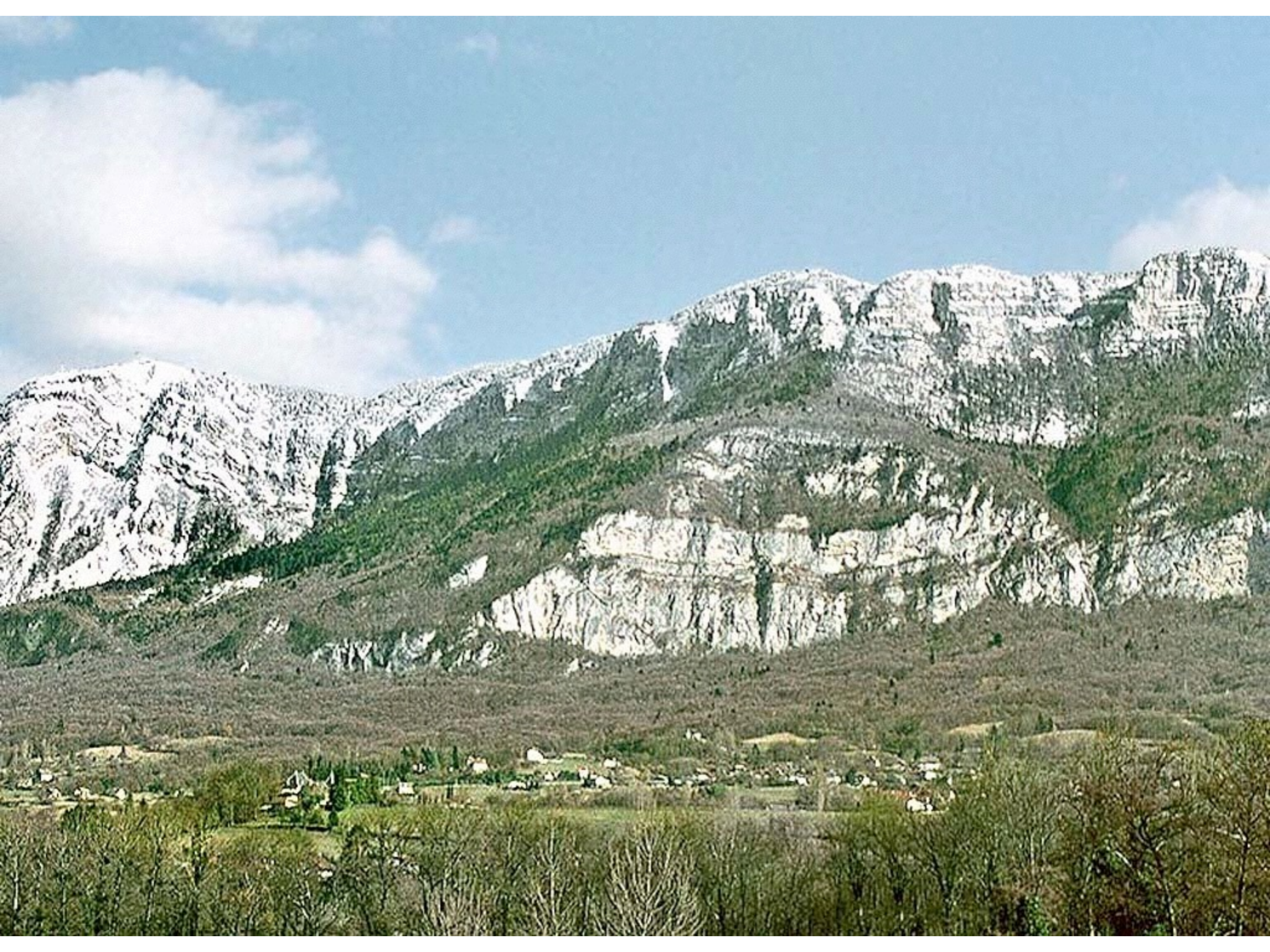
















s0

Tith. sup.

s0

s0

Ø palier

strates

Be

Ø rampe

s0

palier

Tith. sup.

s0

Tith. inf.

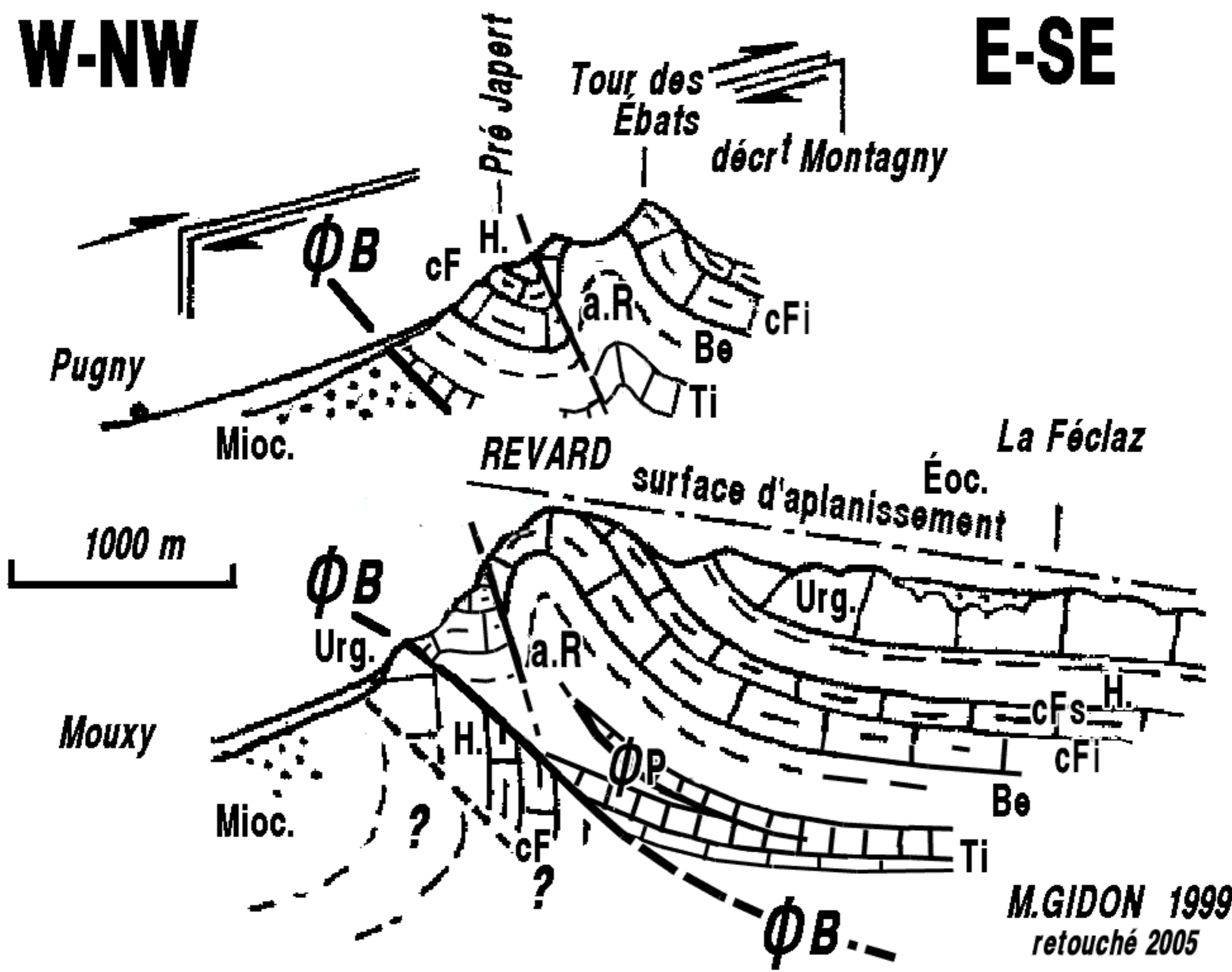




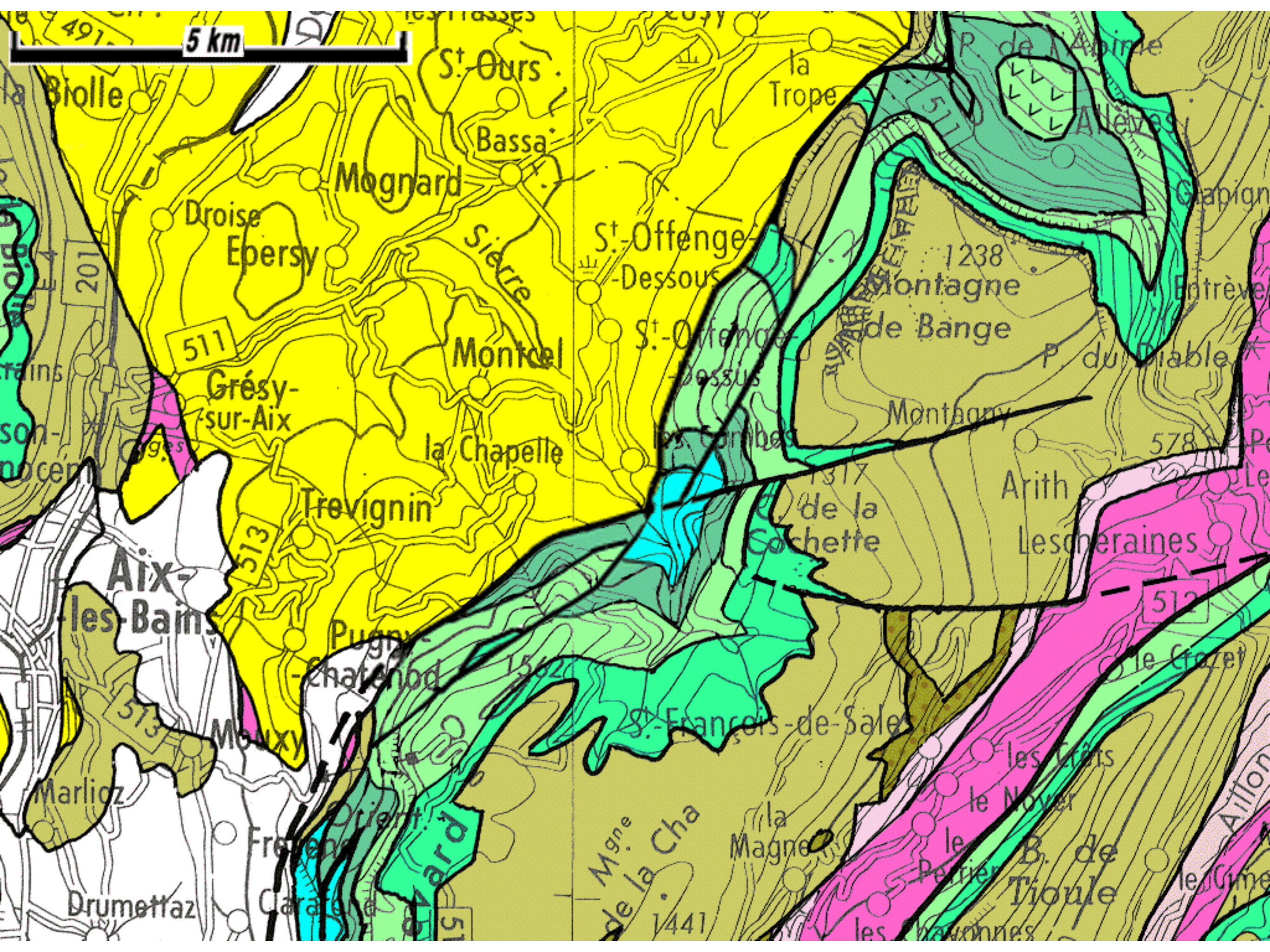
cliché M. GIDON

W-NW

E-SE



M.GIDON 1999
retouché 2005







Semnoz

Bange

Revard

aR

aS

cluse de Banges

Φ_B

eF

Be

Ti

cF

cF

H

aR

cF

St Offenge

Sillon molassique

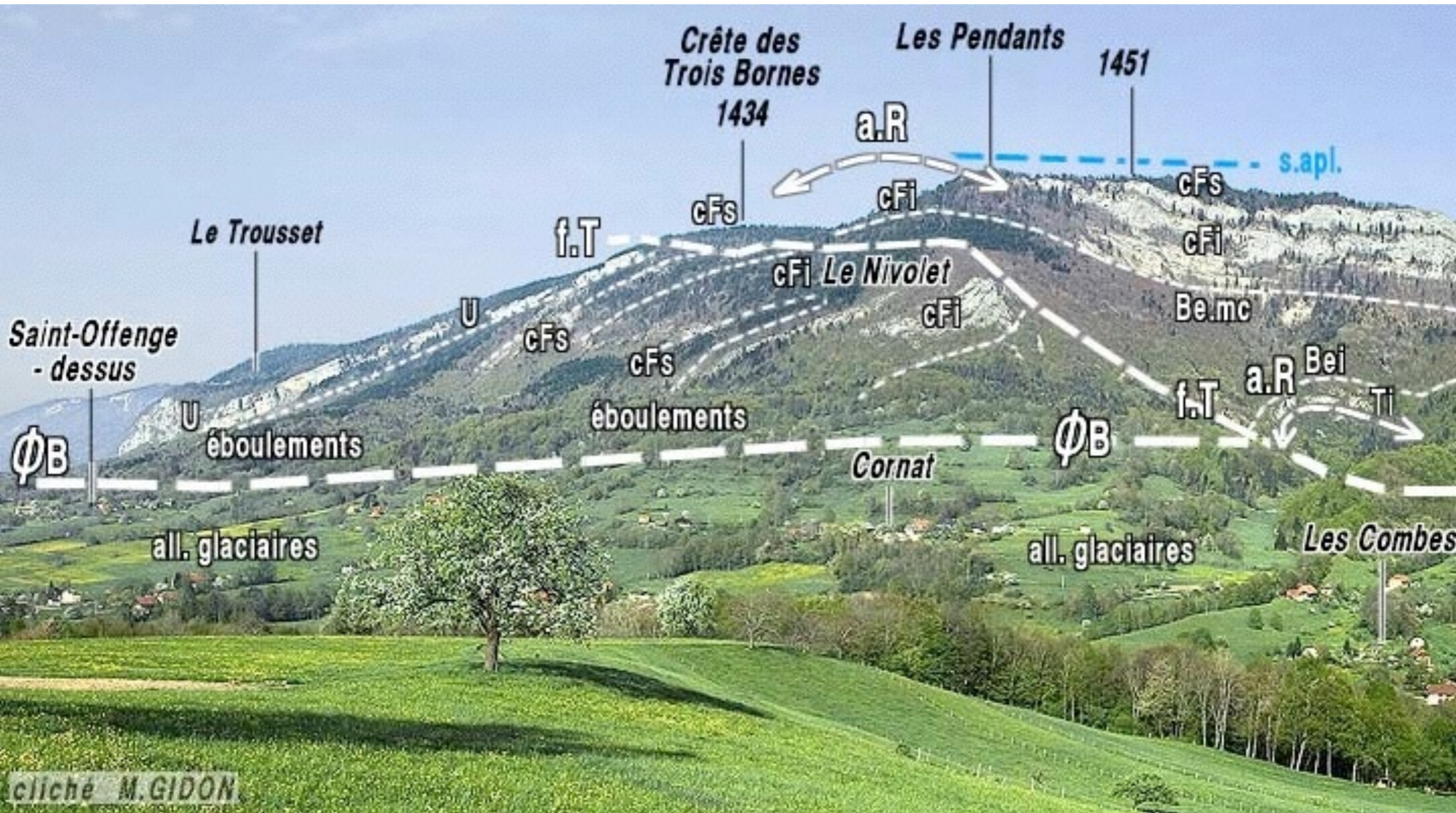
Pugny

AIX-LES-BAINS

Lac du Bourget

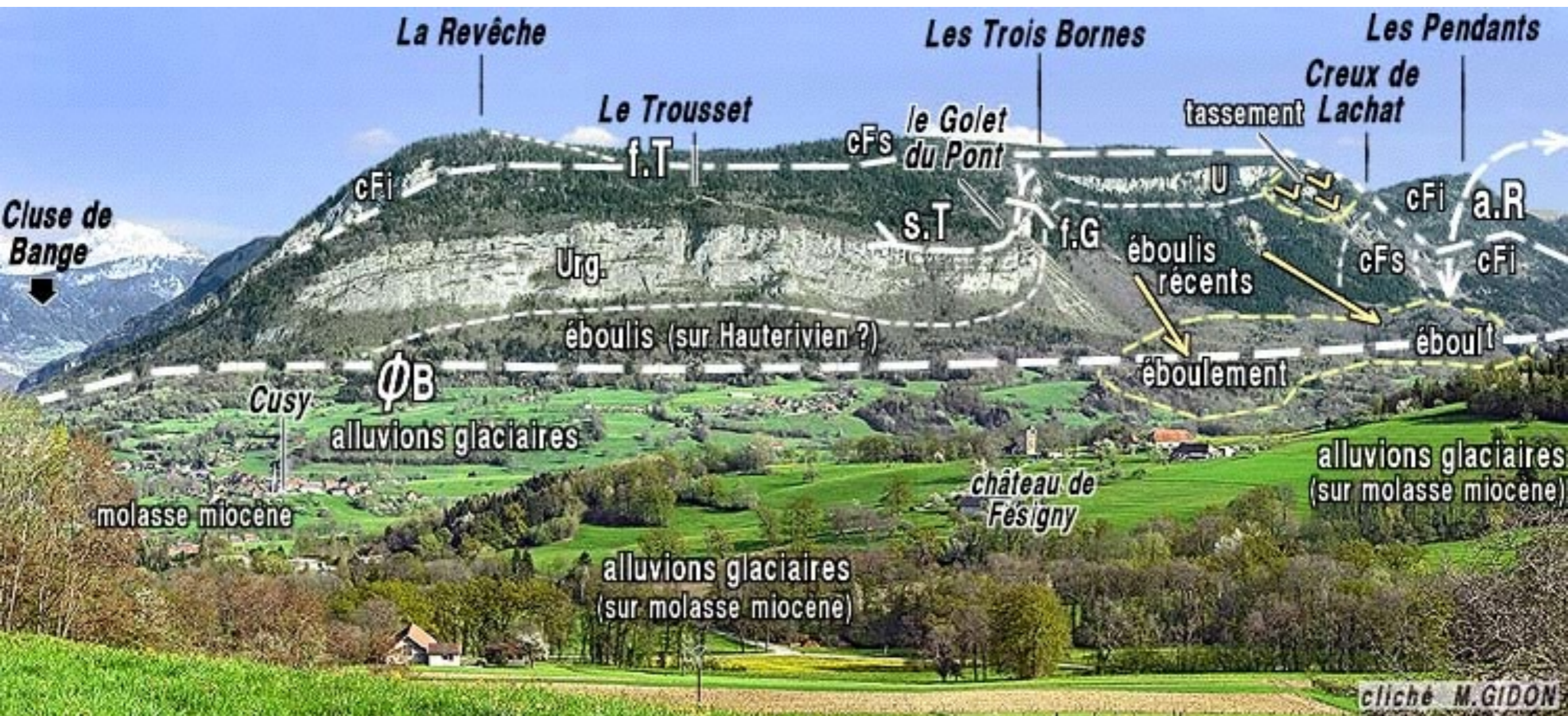
cliché M.G

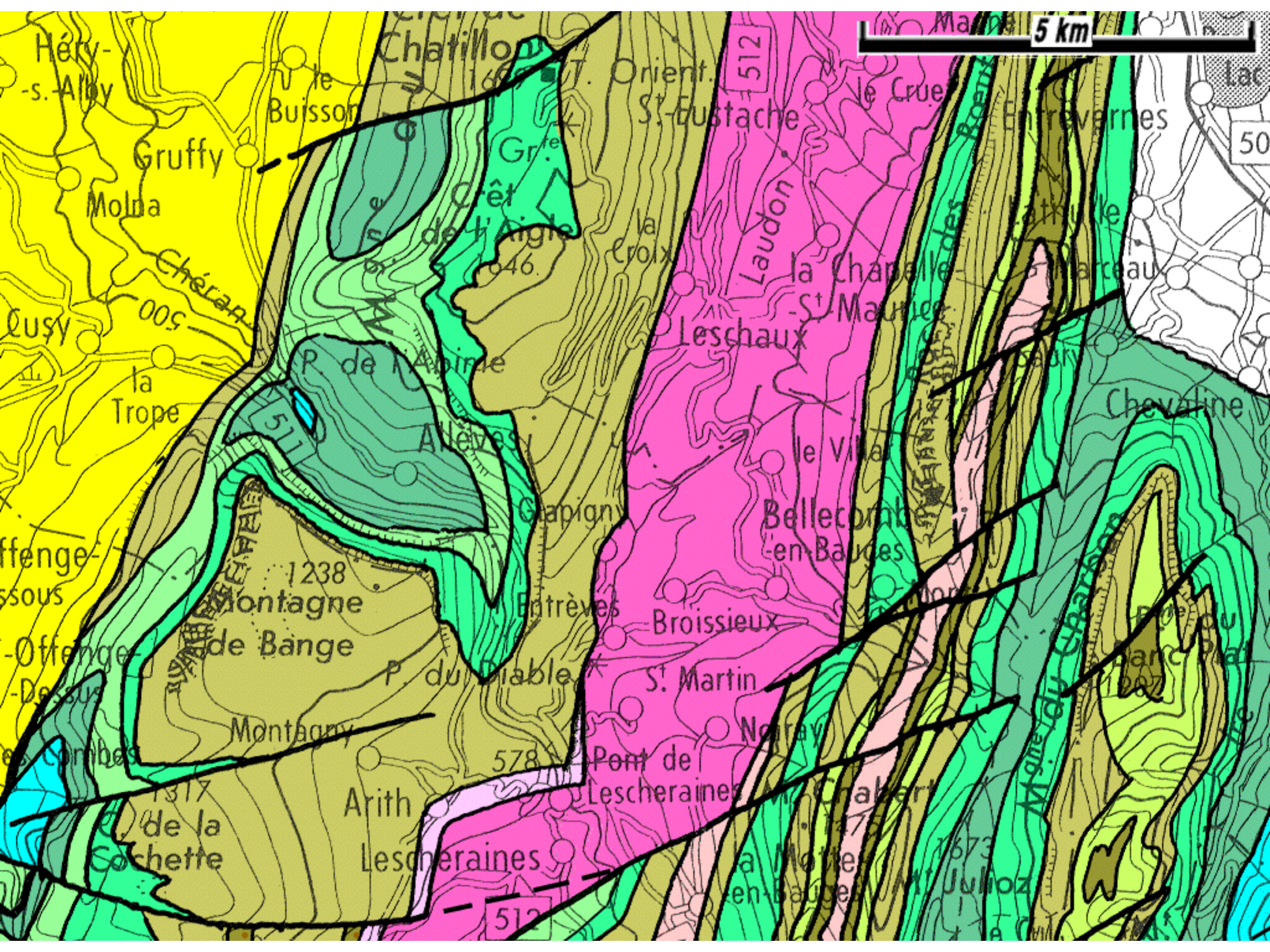




cliché M. GIDON







5 km

Héry-s-Alby

Gruffy

le Buisson

Chatillon

T. Orient.
St-Eustache

512

Molna

Chéran

P. de l'Annie

Gr.
de l'Aigle

la Croix

Laudon

la Chapelle
St-Maurice

Le Crue

Le Crue

50

Quisy

la Trope

511

Alexes

Chapigny

Leschaux

Bellecomb
en-Bauges

Chevaline

ffenge-
ssous

1238
Montagne
de Bange

Entrèves

Broissieux

-Offenge-
-Dessus

Montagny

P. du Diable

St. Martin

es Combes

1317
de la
Cochette

Arith

578

Pont de
Lescheraines

Noiray

Chabert

Ruisseau de la Cochette

Lescheraines

512

la Motte
en-Bauges

1673
St-Julioz

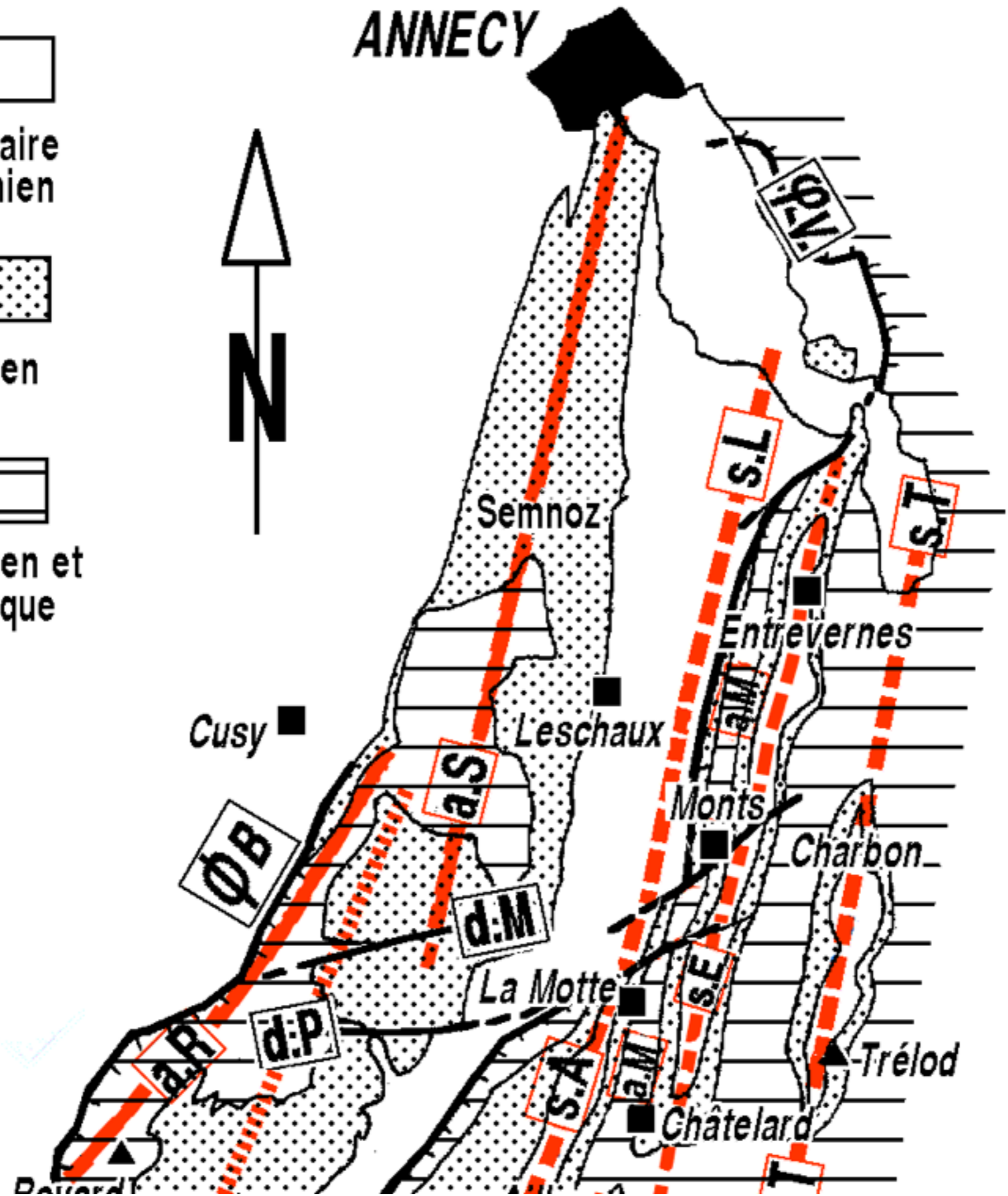
Lac

ANNECY

-  Quaternaire à Sénonien
-  Urgonien
-  Néocomien et Jurassique

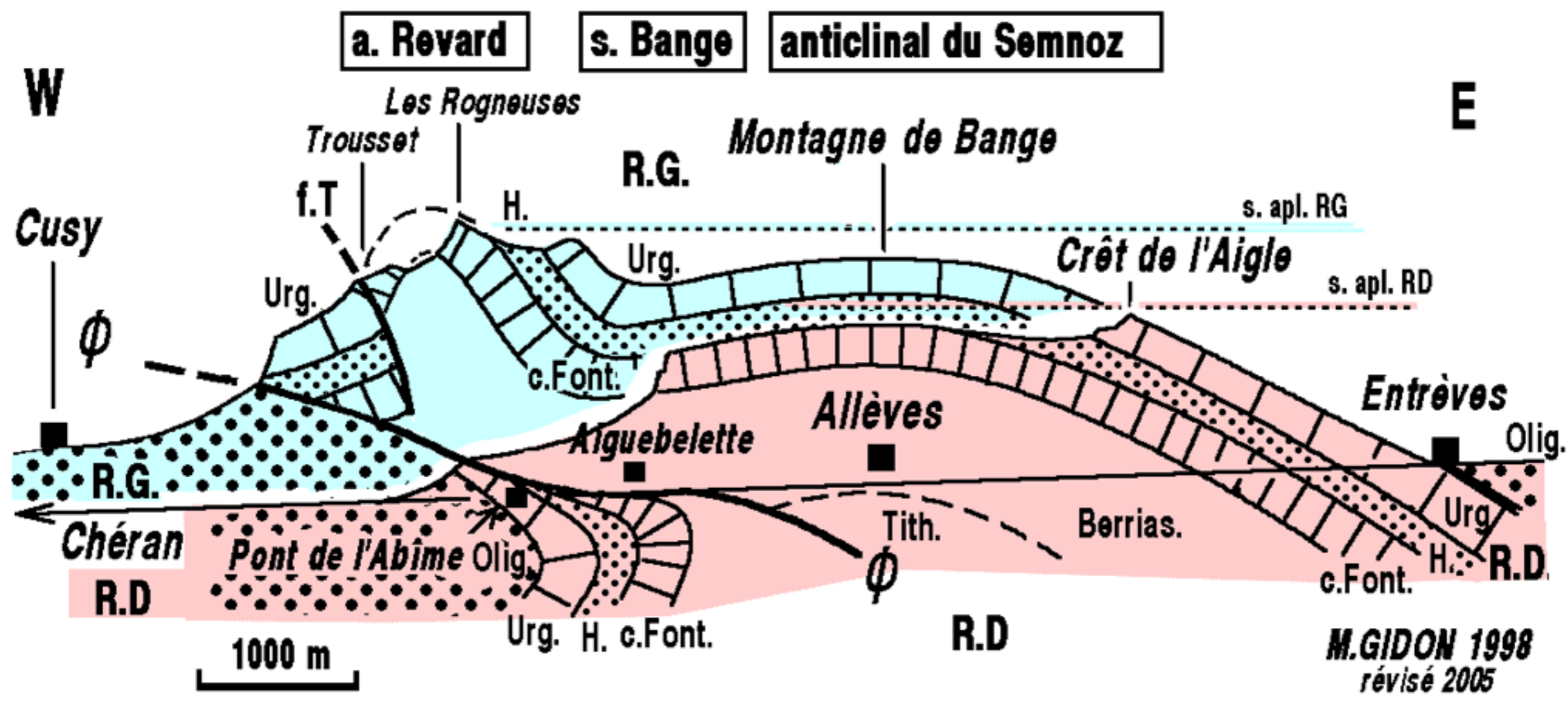


AIX

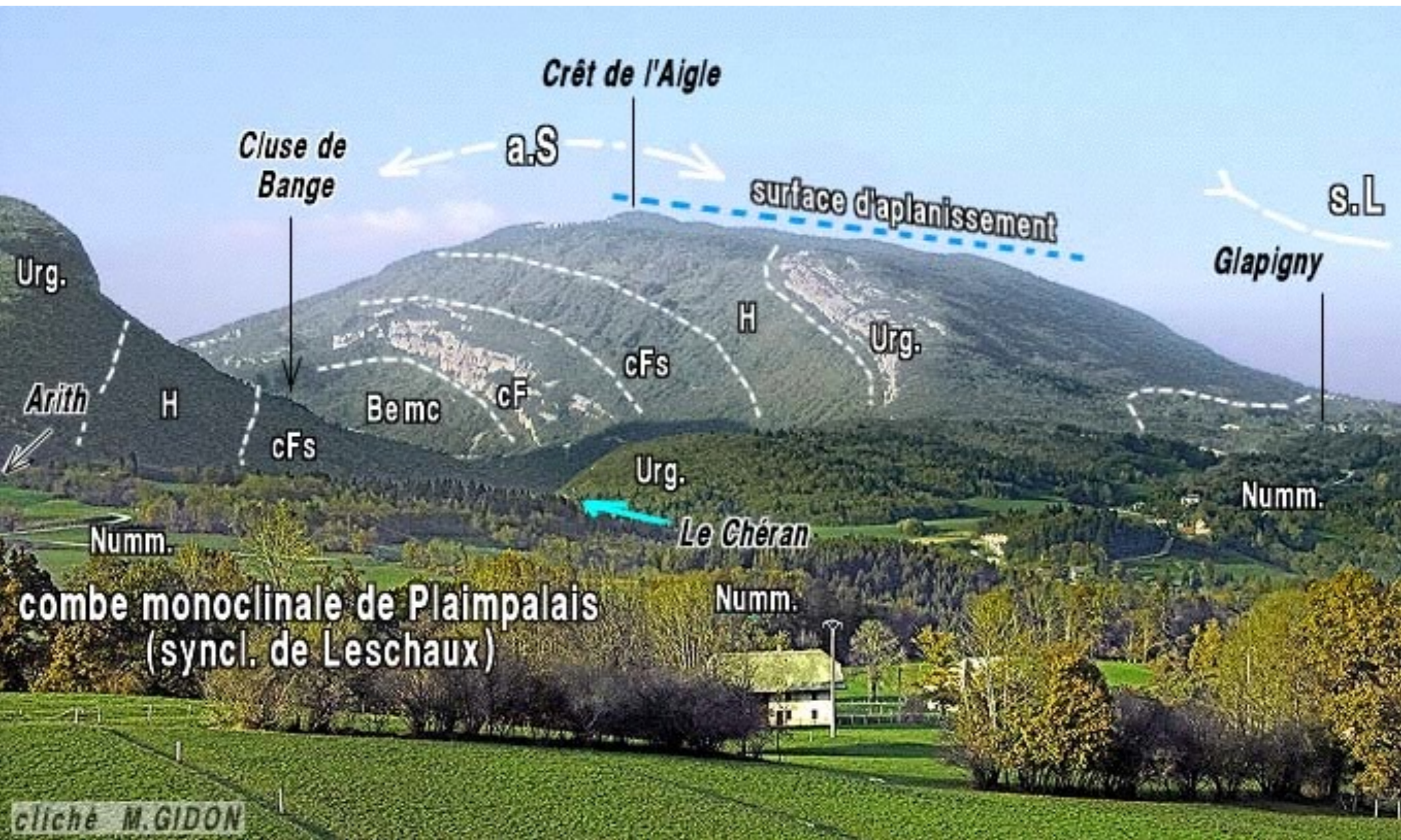




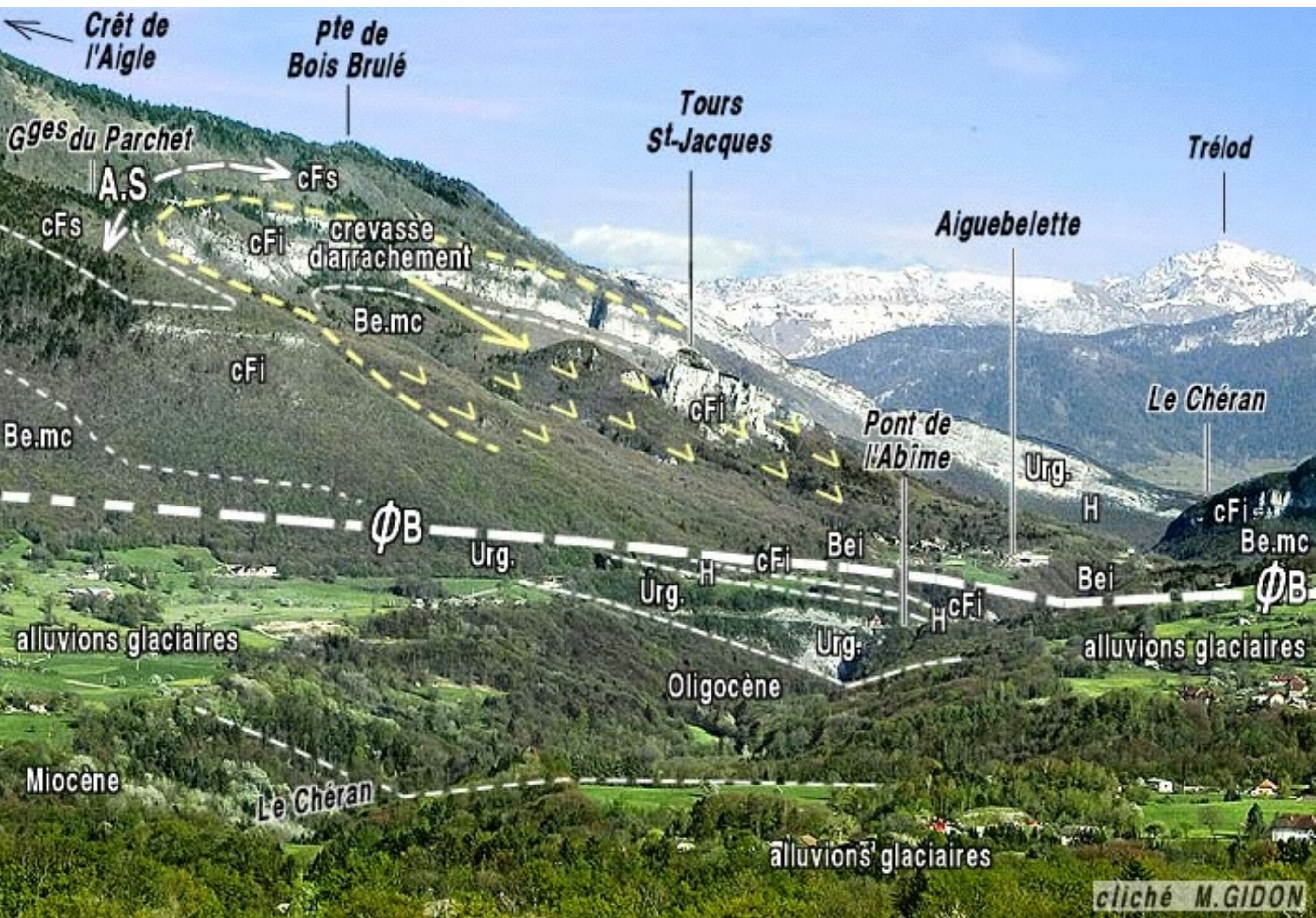
cliché M. GIDON





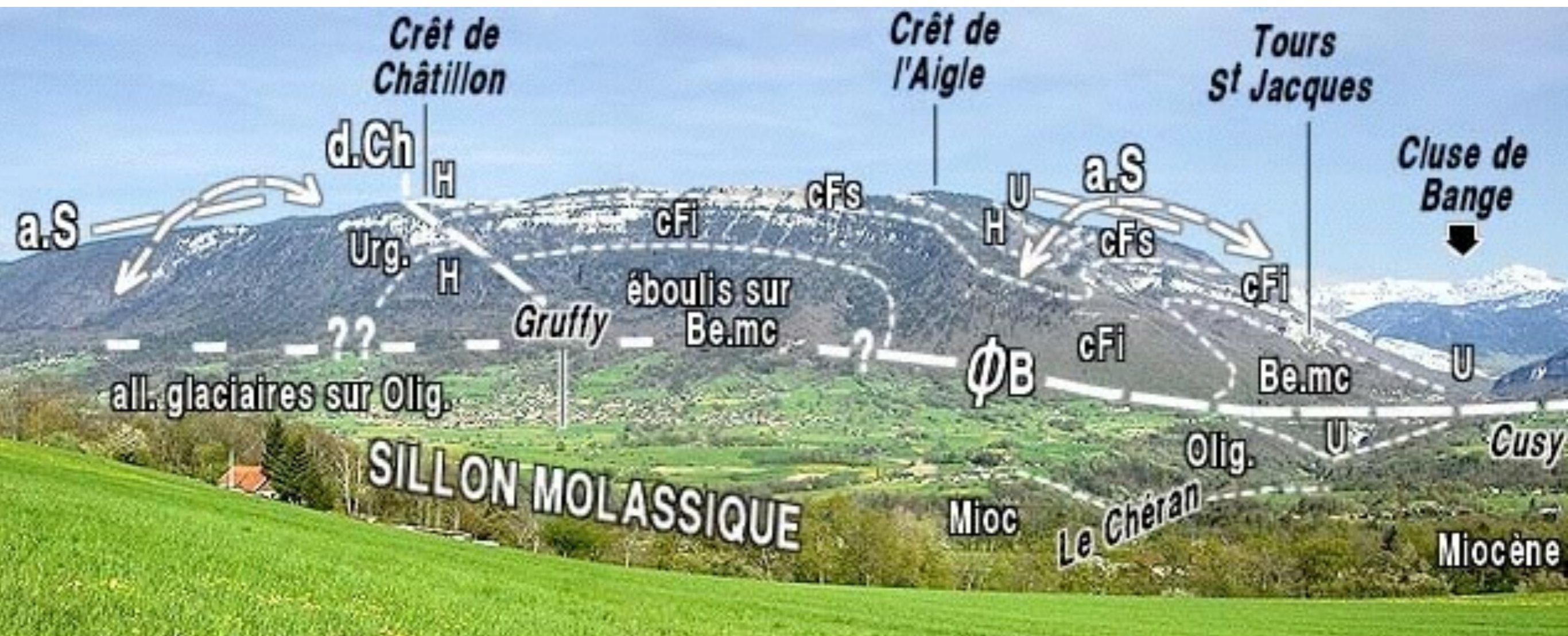


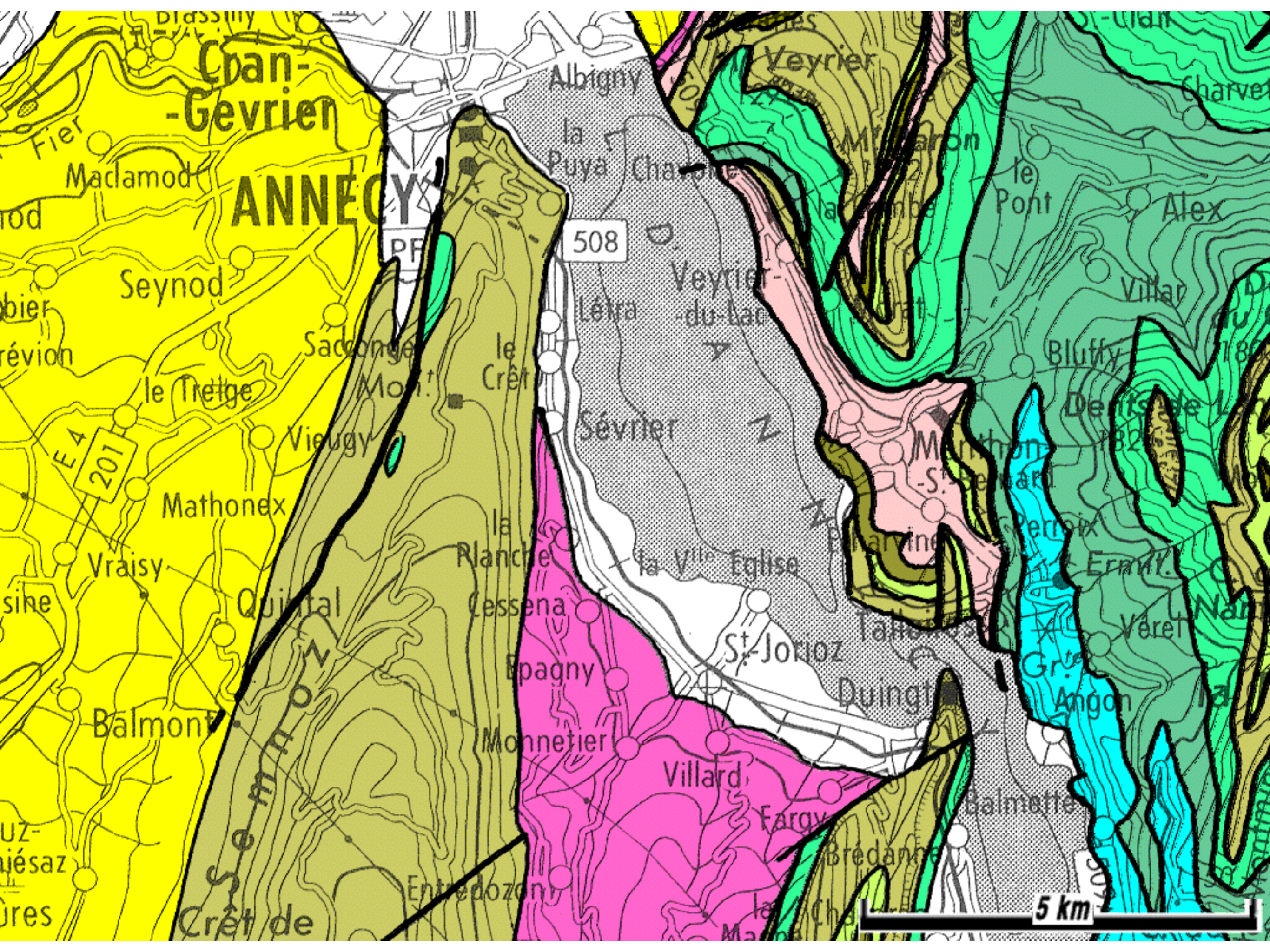












Cran-Gevrier

ANNECY

508

5 km





Semnoz

Jura

a.S

SILLON MOLASSIQUE

Annecy

Urg

Urg

d.D

St Jorioz

molasse

Roc de Chère

ΦV

s.L

Numm.

Duingt

Talloire

Be

V+H

N

Numm.

S.E

d.D

Urg

Ti

a.P

Urg

Urg

Ti

a.P

Be

V+H

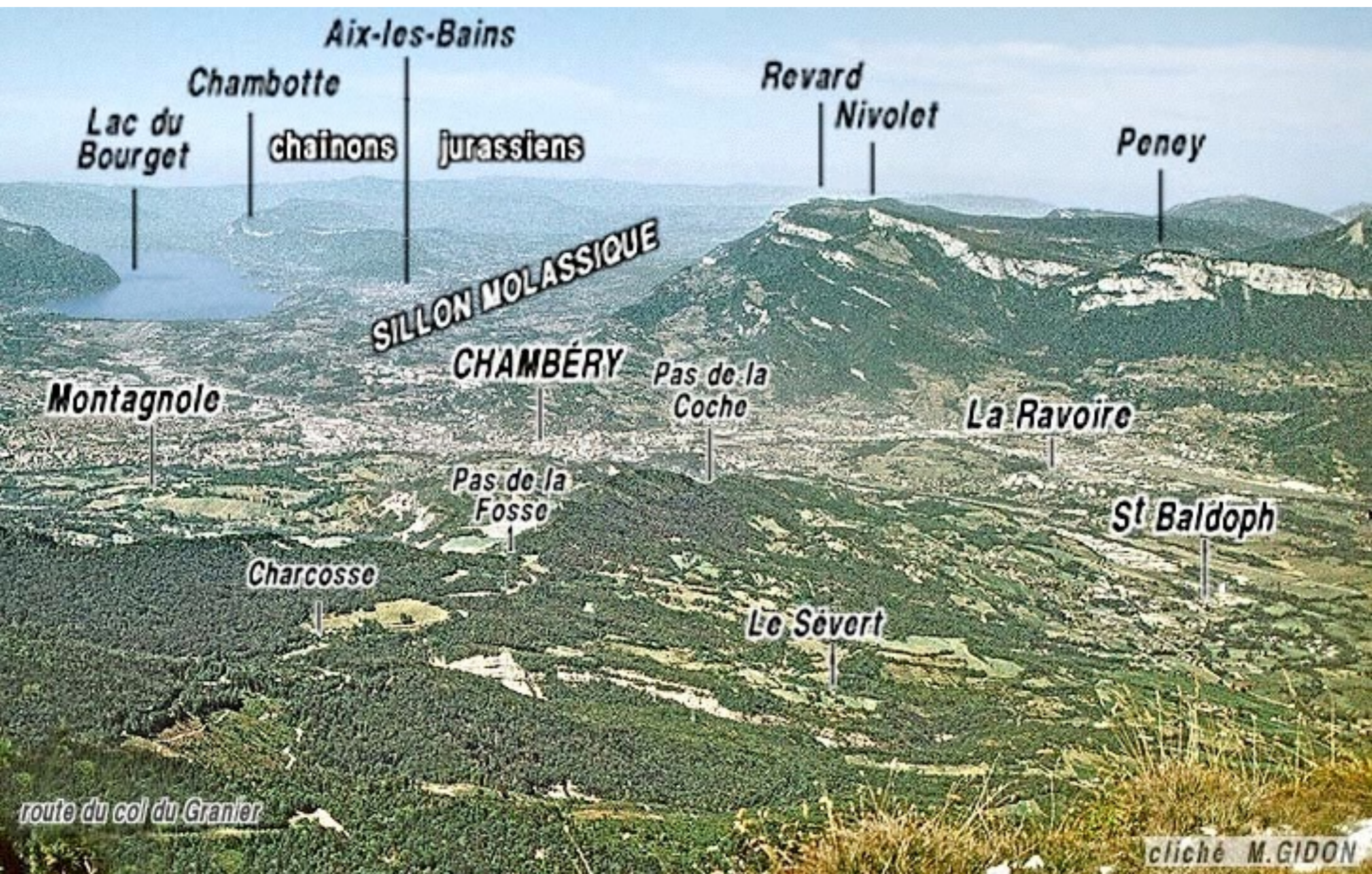
V+H

col de l'Aulp

***Le pourtour sud
des Bauges :***

***trouée de Chambéry
et sud de la
combe de Savoie***





Aix-les-Bains

Chambotte

Lac du Bourget

chainons

jurassiens

Revard

Nivolet

Penoy

SILLON MOLASSIQUE

CHAMBÉRY

Pas de la Coche

Pas de la Fosse

La Ravoire

St Baldoph

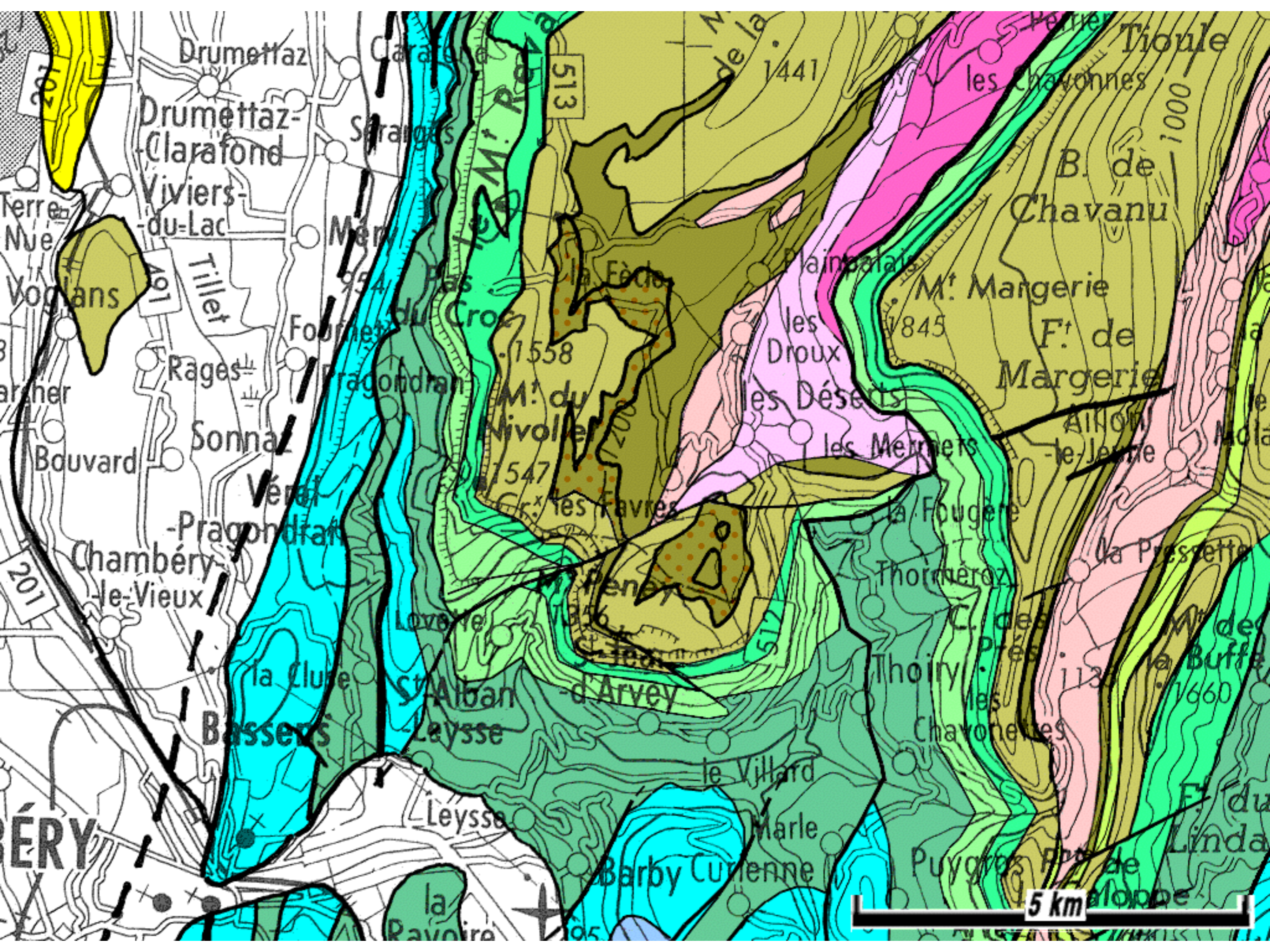
Montagnole

Charcosse

Le Sévert

route du col du Granier

cliché M.GIDON

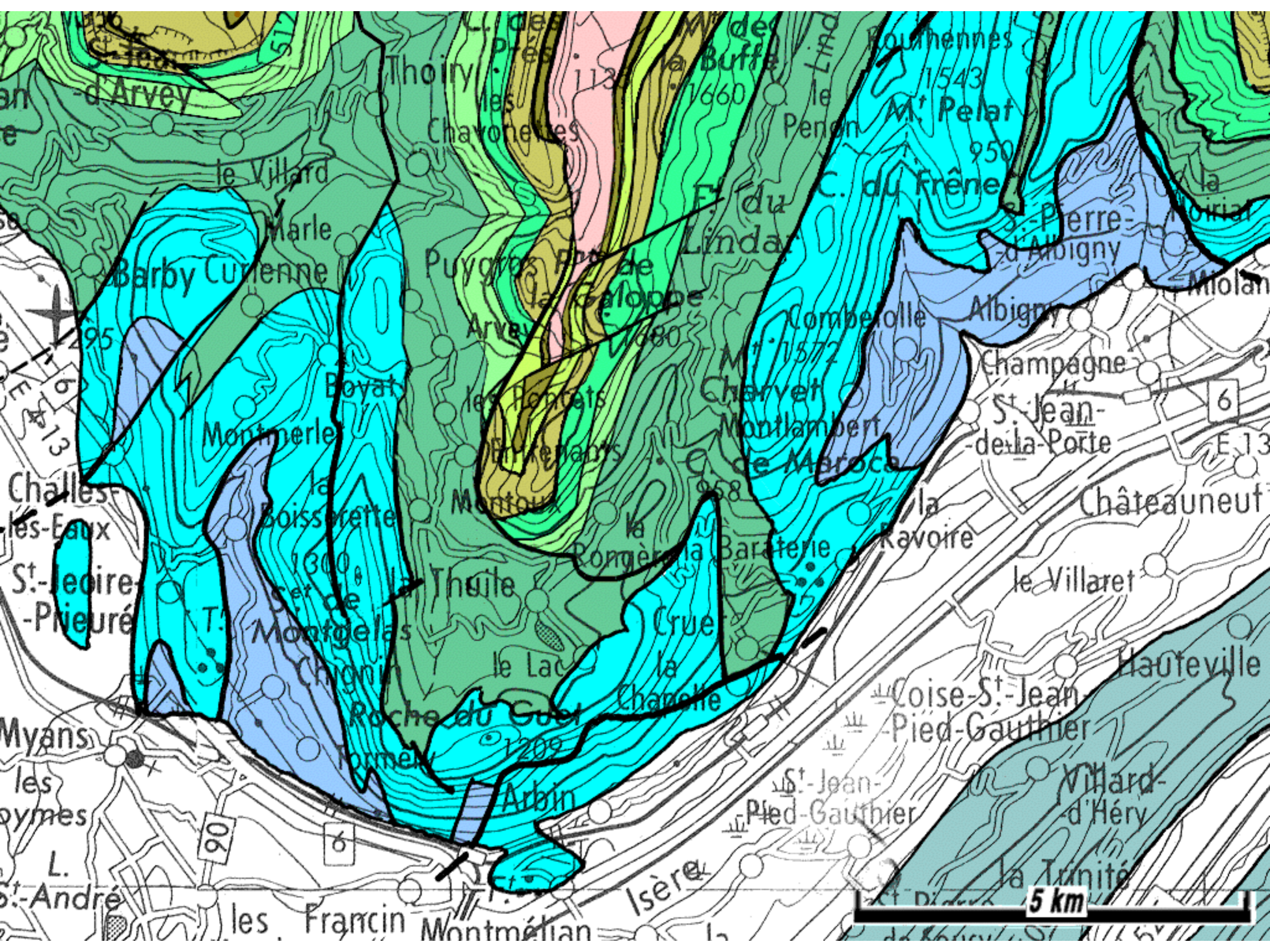


Drumettaz
Clarafond
Sarringes
M^t de la
1441
les Chavonnes
Tioule
1000
B. de
Chavanu
M^t Margerie
1845
F. de
Margerie
AINO
le-Jenne
Molà
les Droux
les Déserts
les Meignets
la Fougère
la Pressette
Thornéroz
C. des
pès
113
M^t de
la Buffe
1660
F. du
Linda
Puygros
de
aloppe
5 km

Drumettaz-Clarafond
Viviers-du-Lac
Mer
954
Fournier du Cro
1558
M^t du Nivoller
1547
Cr. les Favres
1346
Loverre
la Cluse
St Alban
Leysses
Leyssa
le Villard
Marle
Barby Curienne
95

101
Tillet
Rages
Sonna
Vérel
-Pragondran
Chambéry-le-Vieux
201
BASSERS
RÉRY

513
512



d'Arvey

Thoiry
Charvonnex

la Buffe
Puygros

Rouhennes
M. Pelat
C. du Frêne

Barby Curienne

Puygros
Arvey

Combelolle

Albigny
Champagne

Challes-les-Eaux

Arvey
les Fontats

Charvet
Montlambert

St. Jean-de-la-Porte

St.-Jeire-Prieuré

Boissverette
Thuille

la Barrière
Ravoire

le Villaret

Myans

Arbin

St.-Jean-Pied-Gauthier

Villard-d'Héry

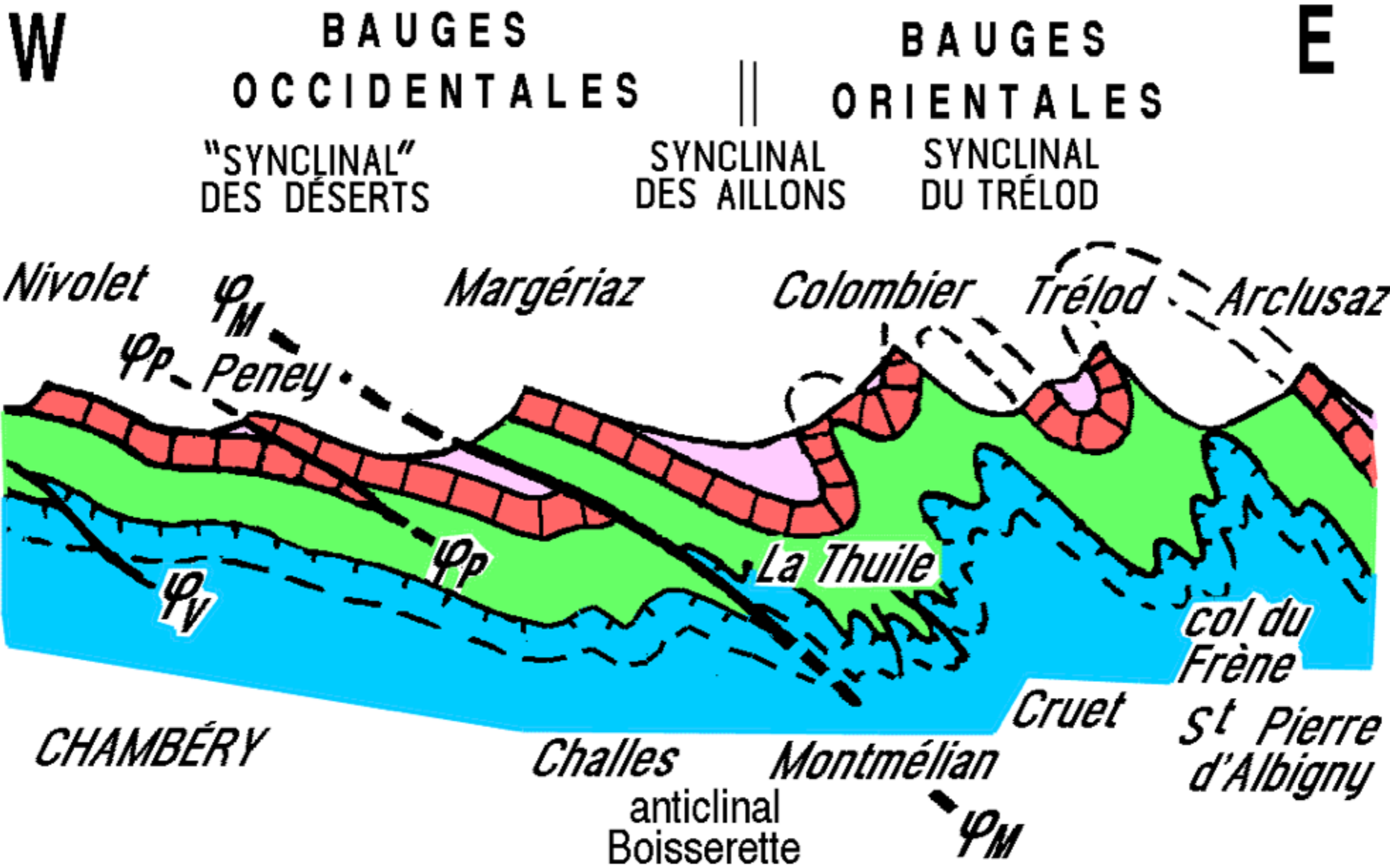
St.-André

les Francin Montmélian

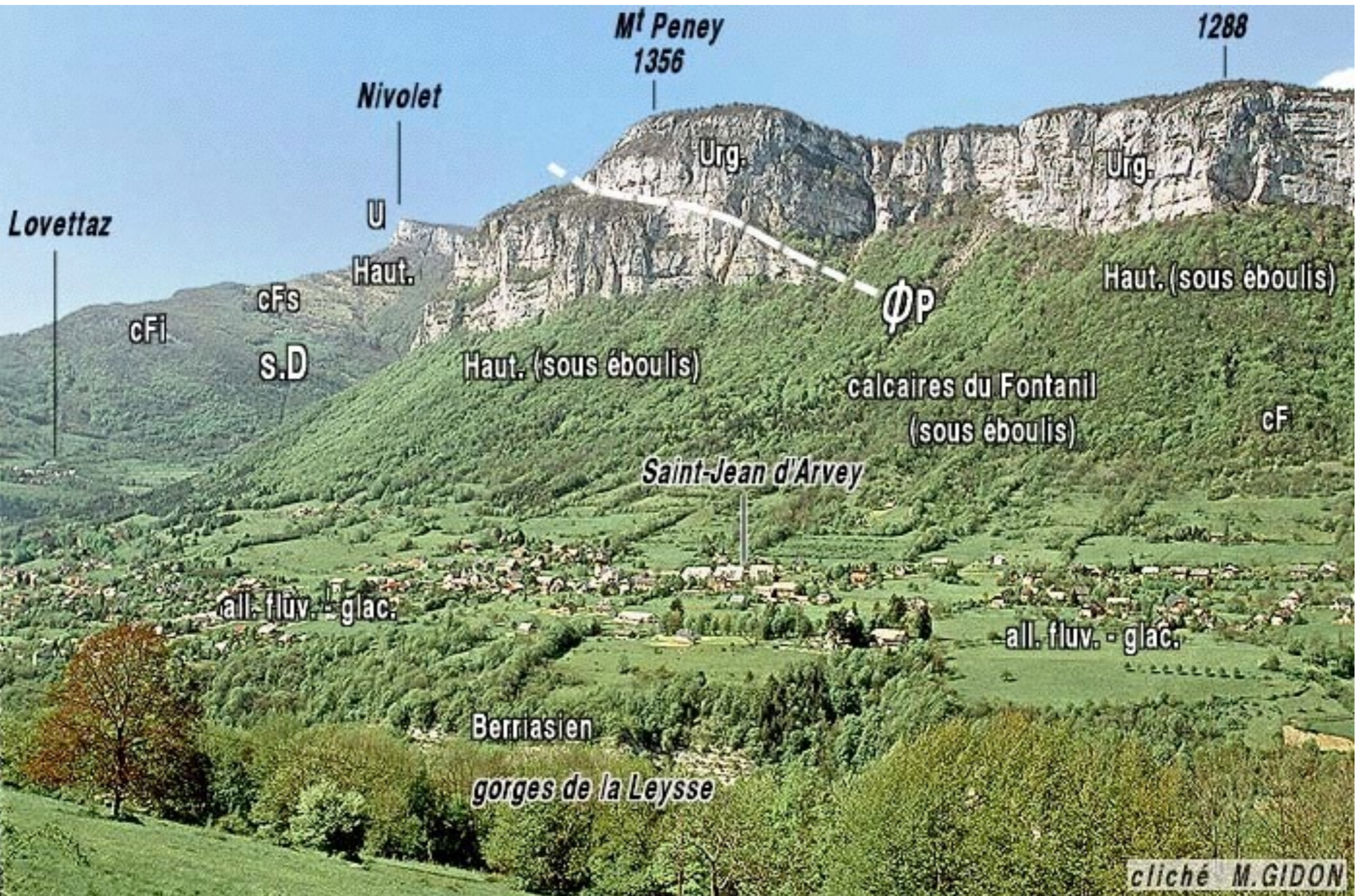
Isère

la Trinité

5 km





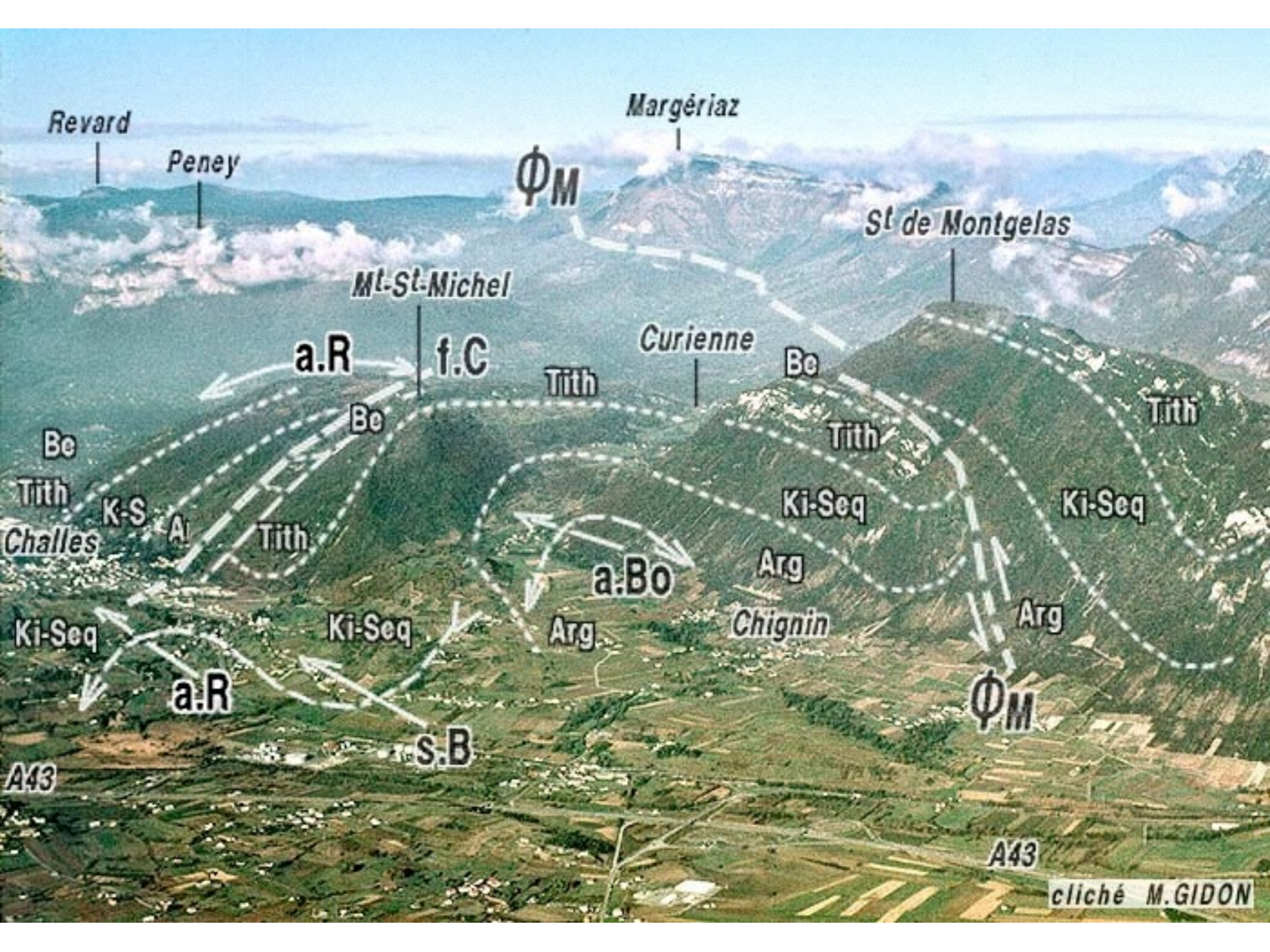






cliché M.GIDON





Revard

Peney

Margériaz

St de Montgelas

Mt-St-Michel

Curienne

Chignin

Challes

Φ_M

Φ_M

a.R

f.C

a.Bo

a.R

S.B

Be

Be

Be

Tiith

Tiith

Tiith

Tiith

K-S

A

Tiith

Ki-Seq

Ki-Seq

Arg

Arg

Arg

Ki-Seq

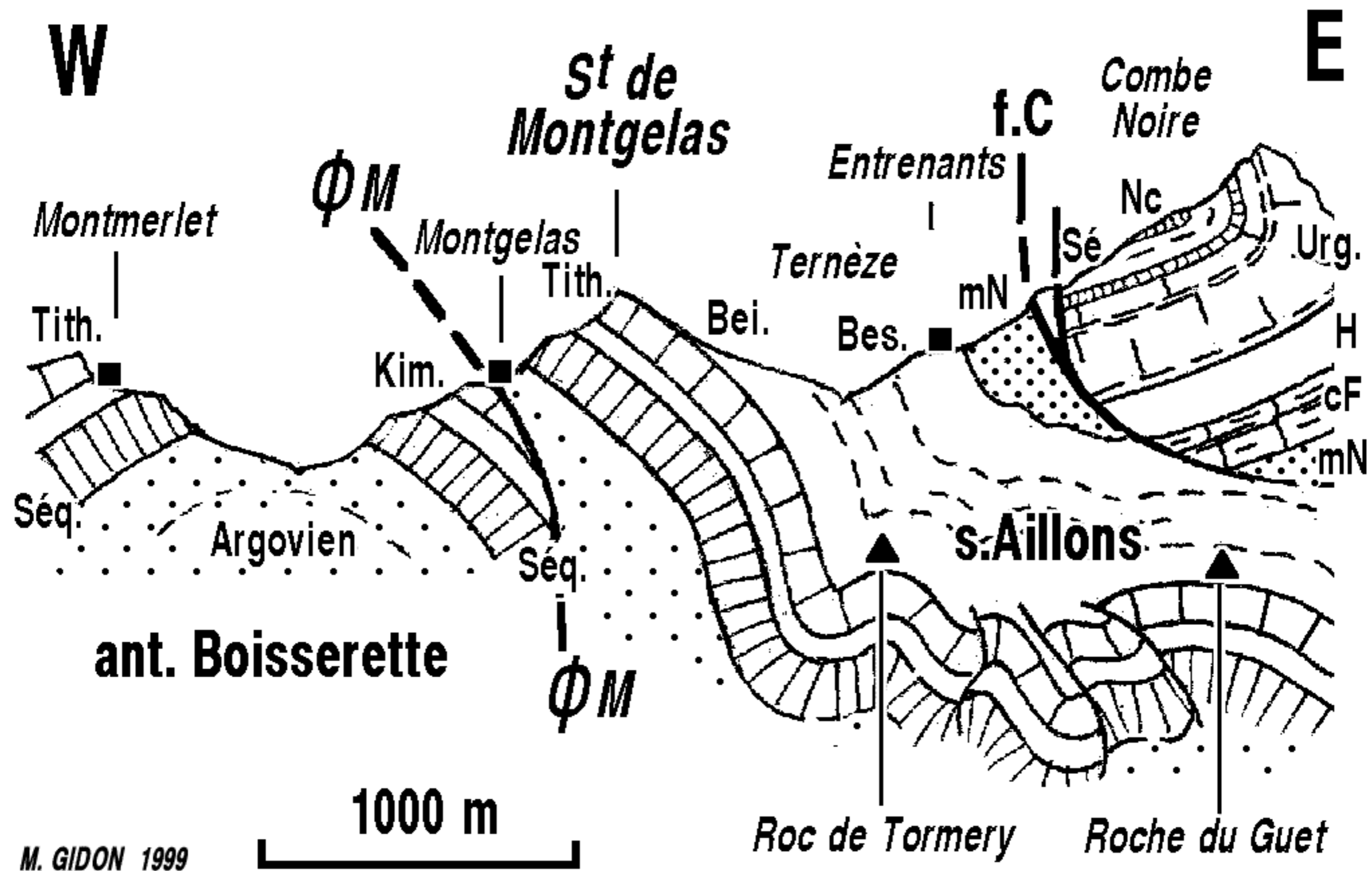
Ki-Seq

Chignin

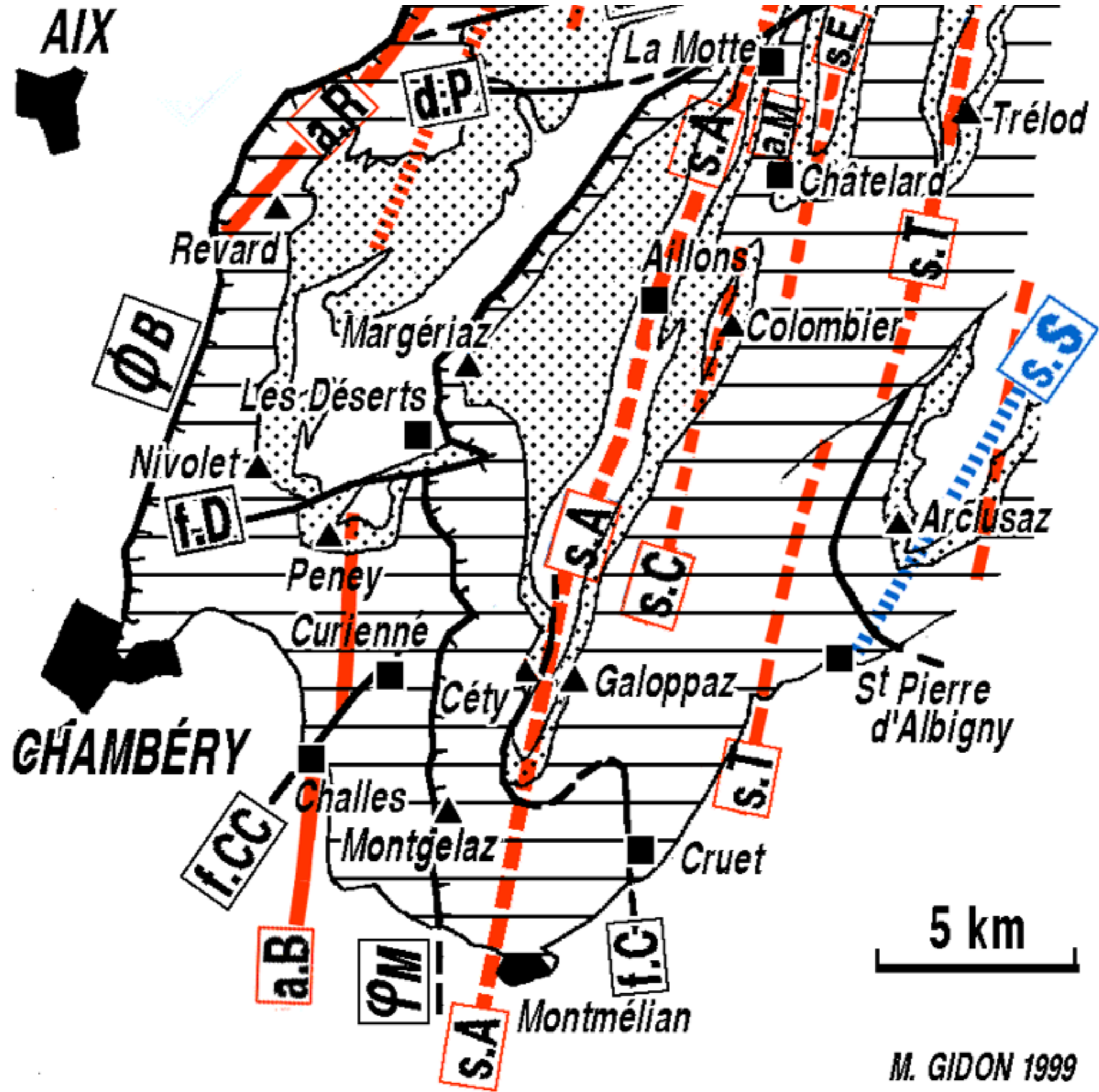
A43

A43

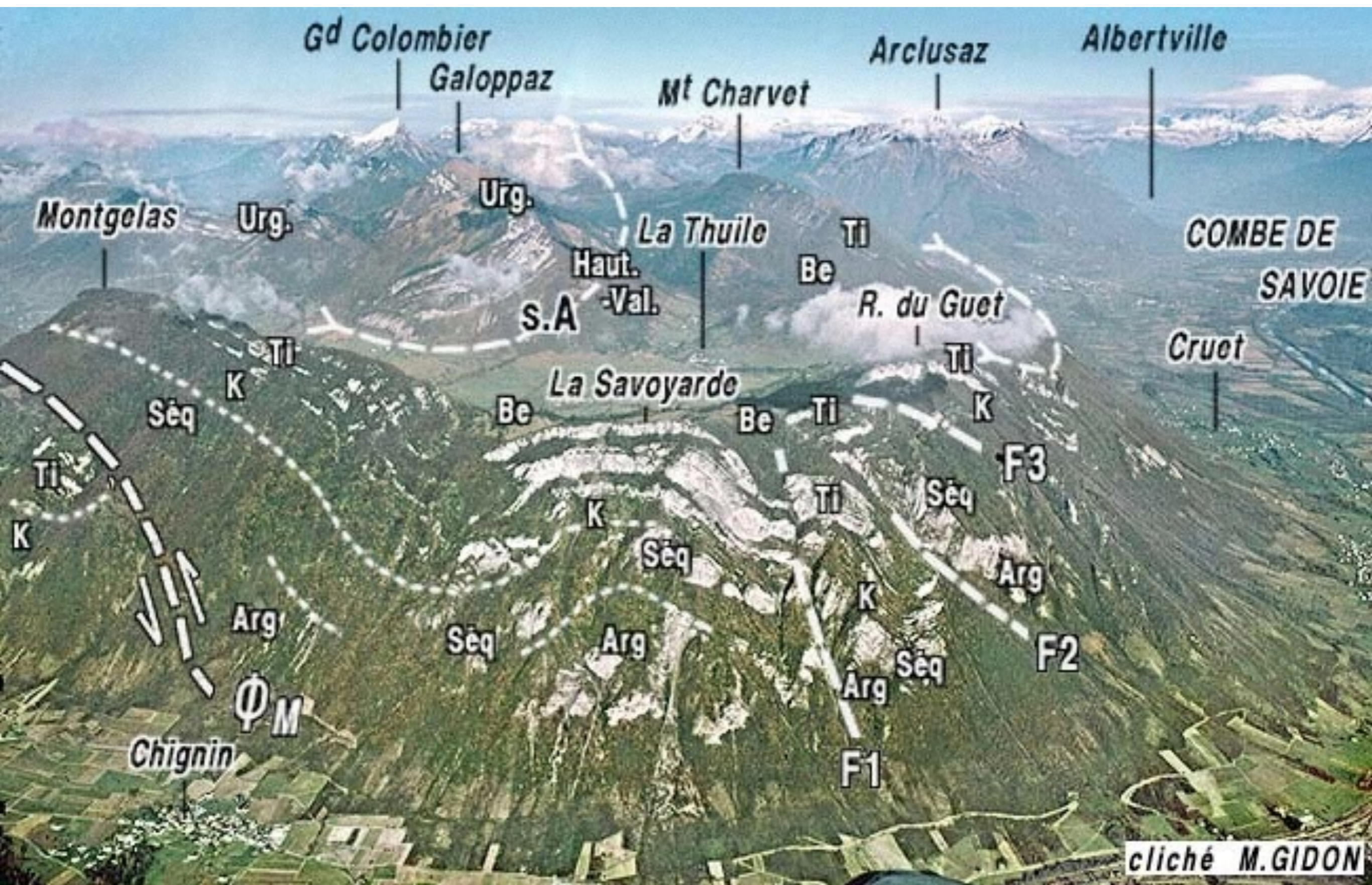
cliché M.GIDON



M. GIDON 1999

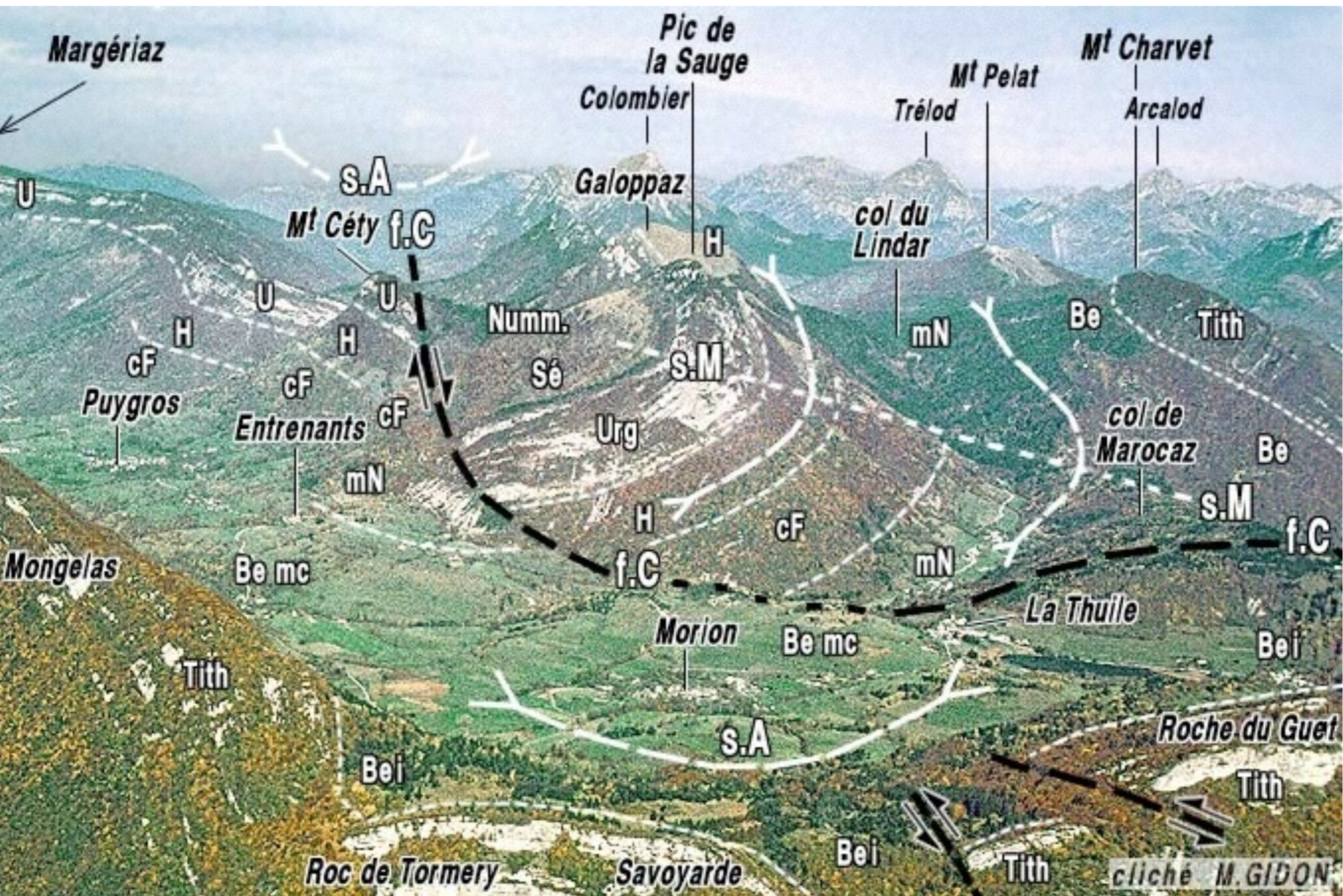




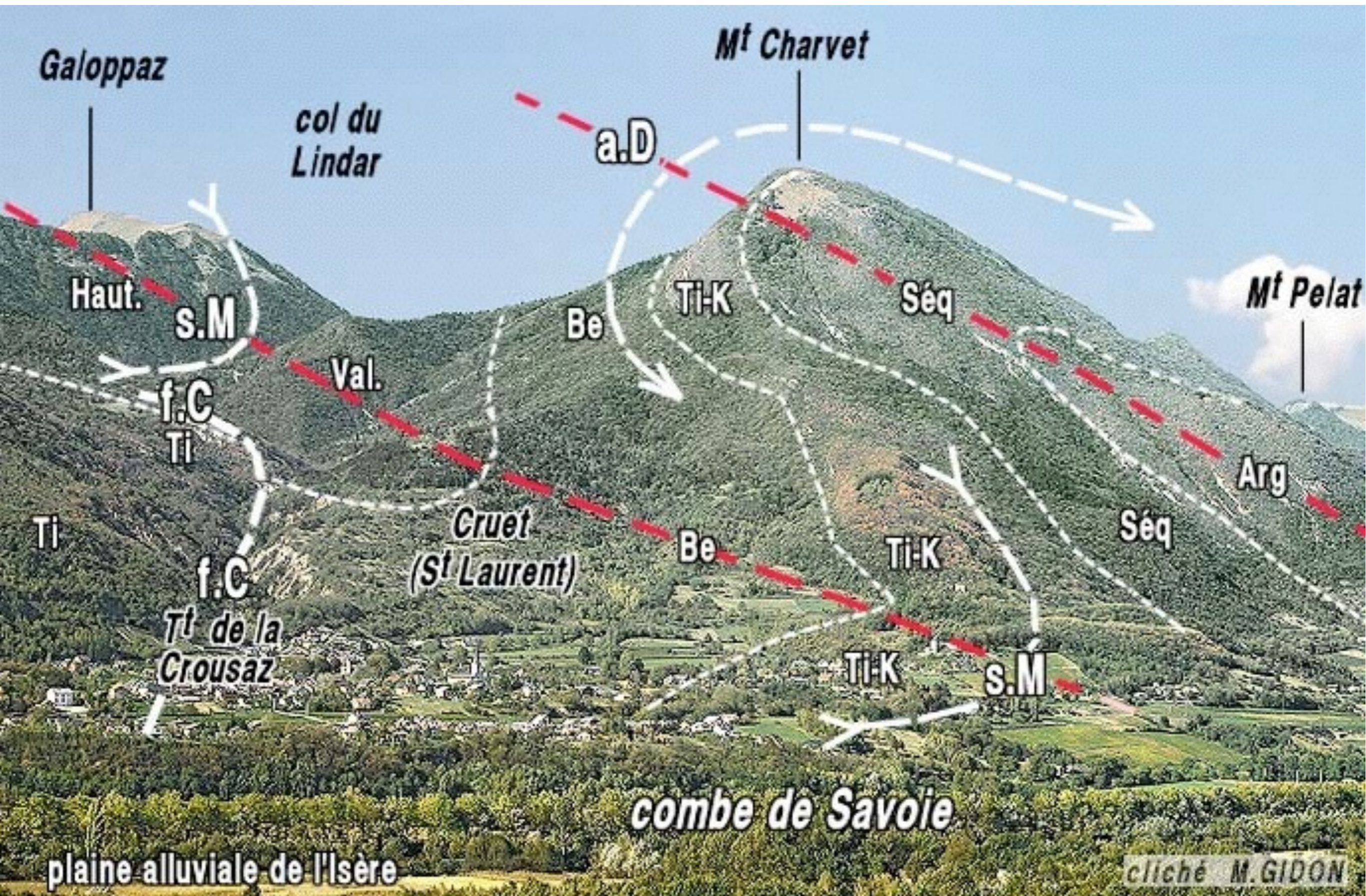


cliché M.GIDON





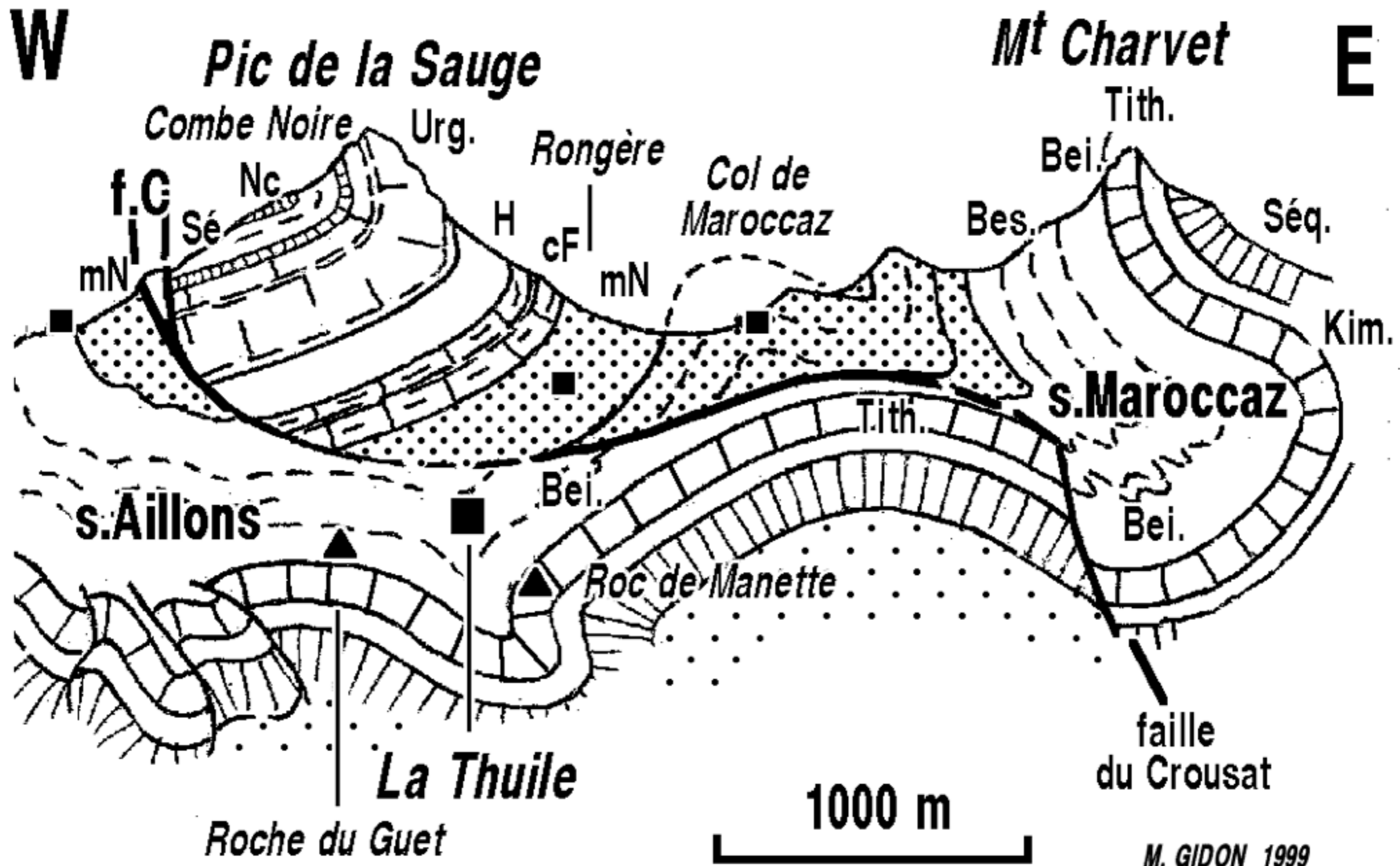


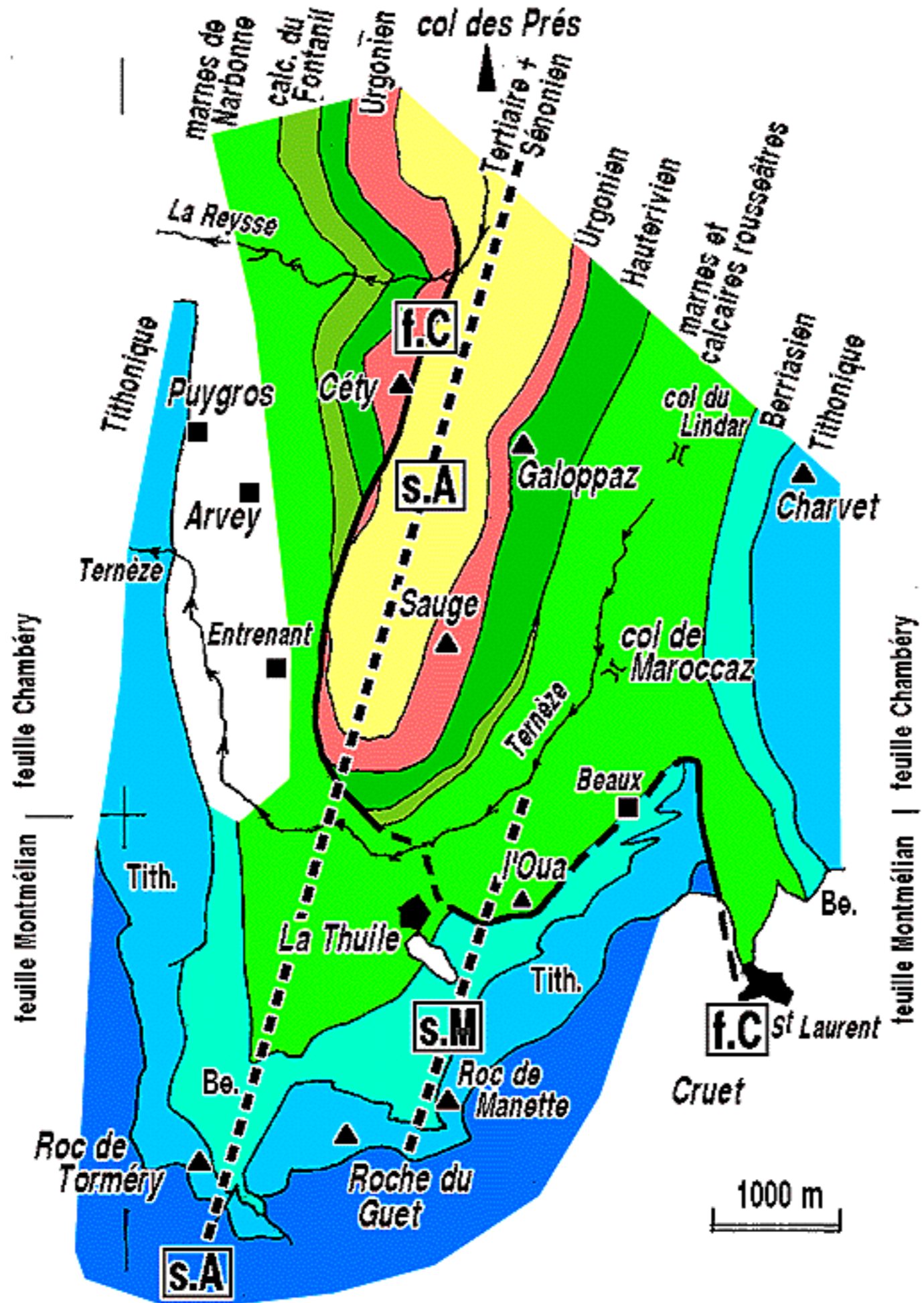


plaine alluviale de l'Isère

combe de Savoie

cliché M. GIDON





MONTMÉLIAN

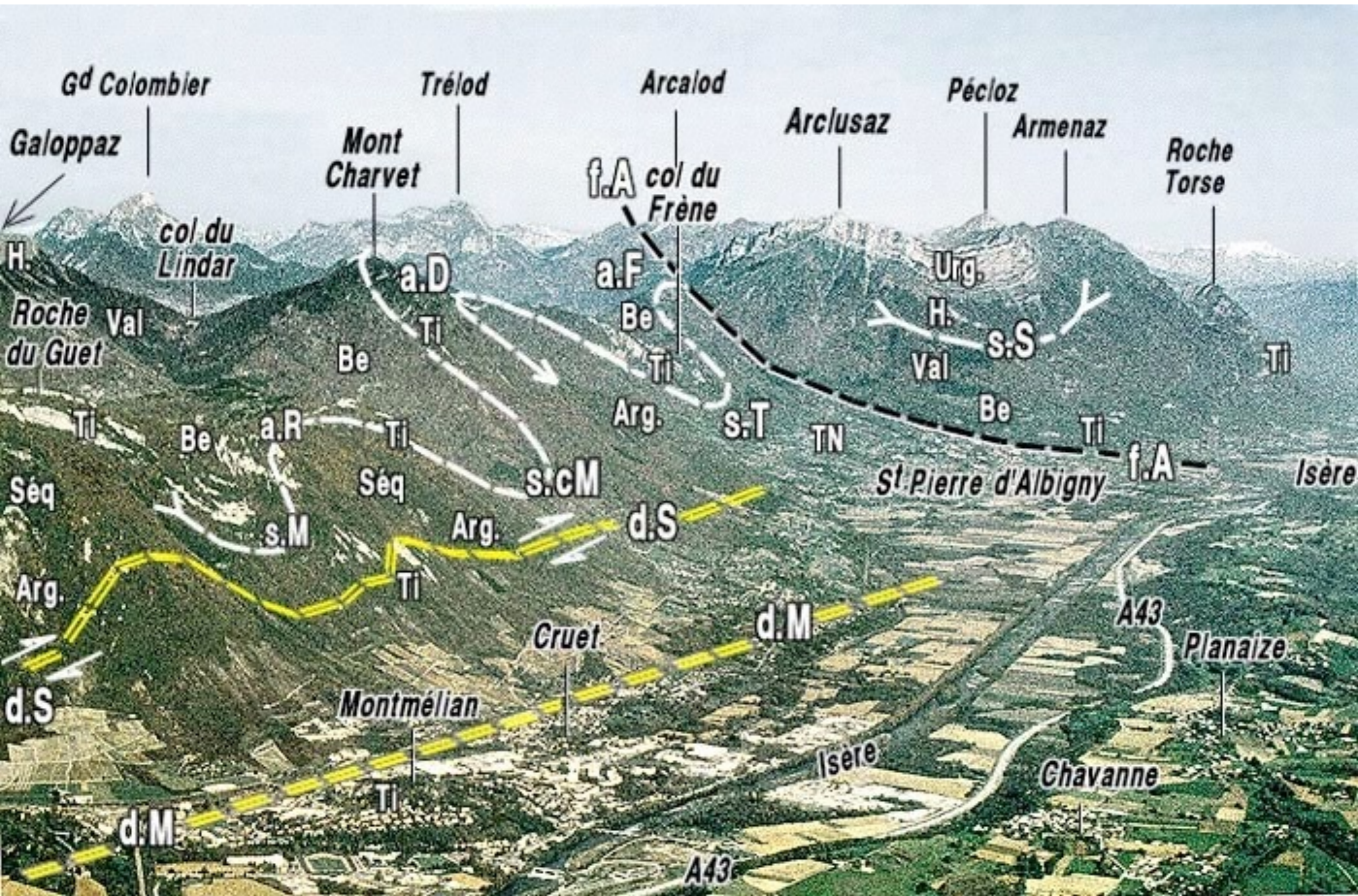
M. GIDON 1999





cliché M.GIDON







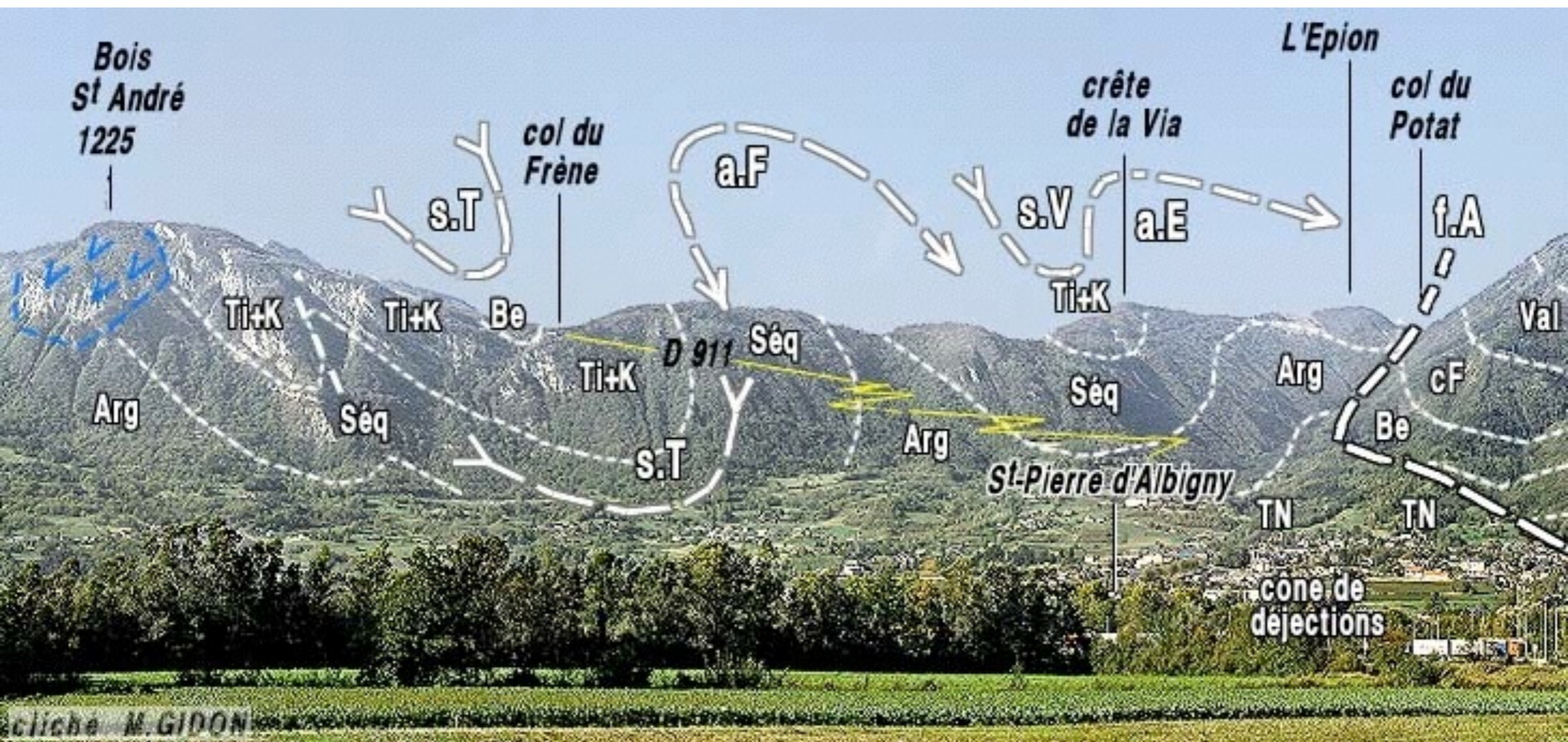


plaine alluviale de l'Isère

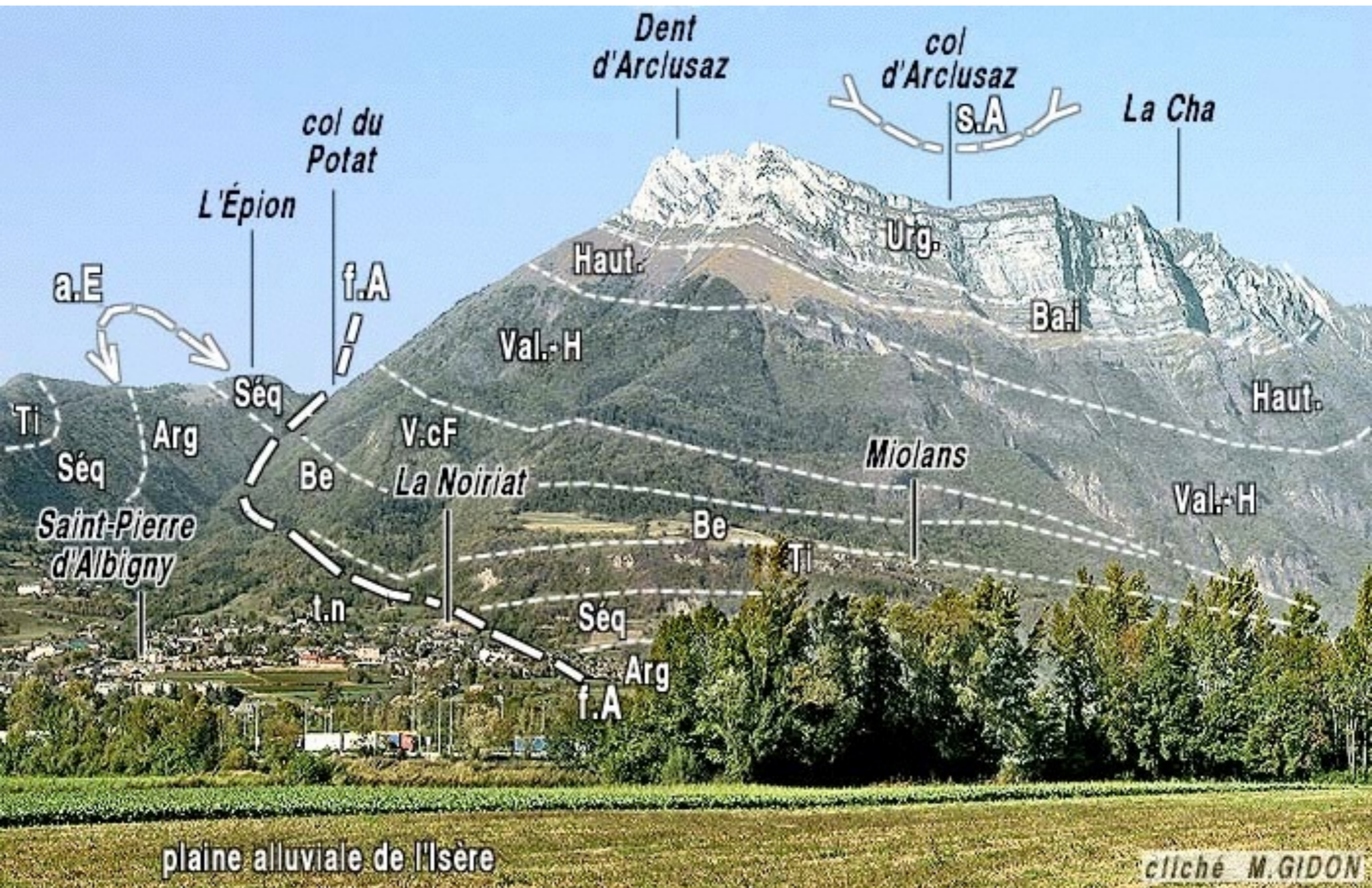
cliché M.GIDON



cliche M. GIDON







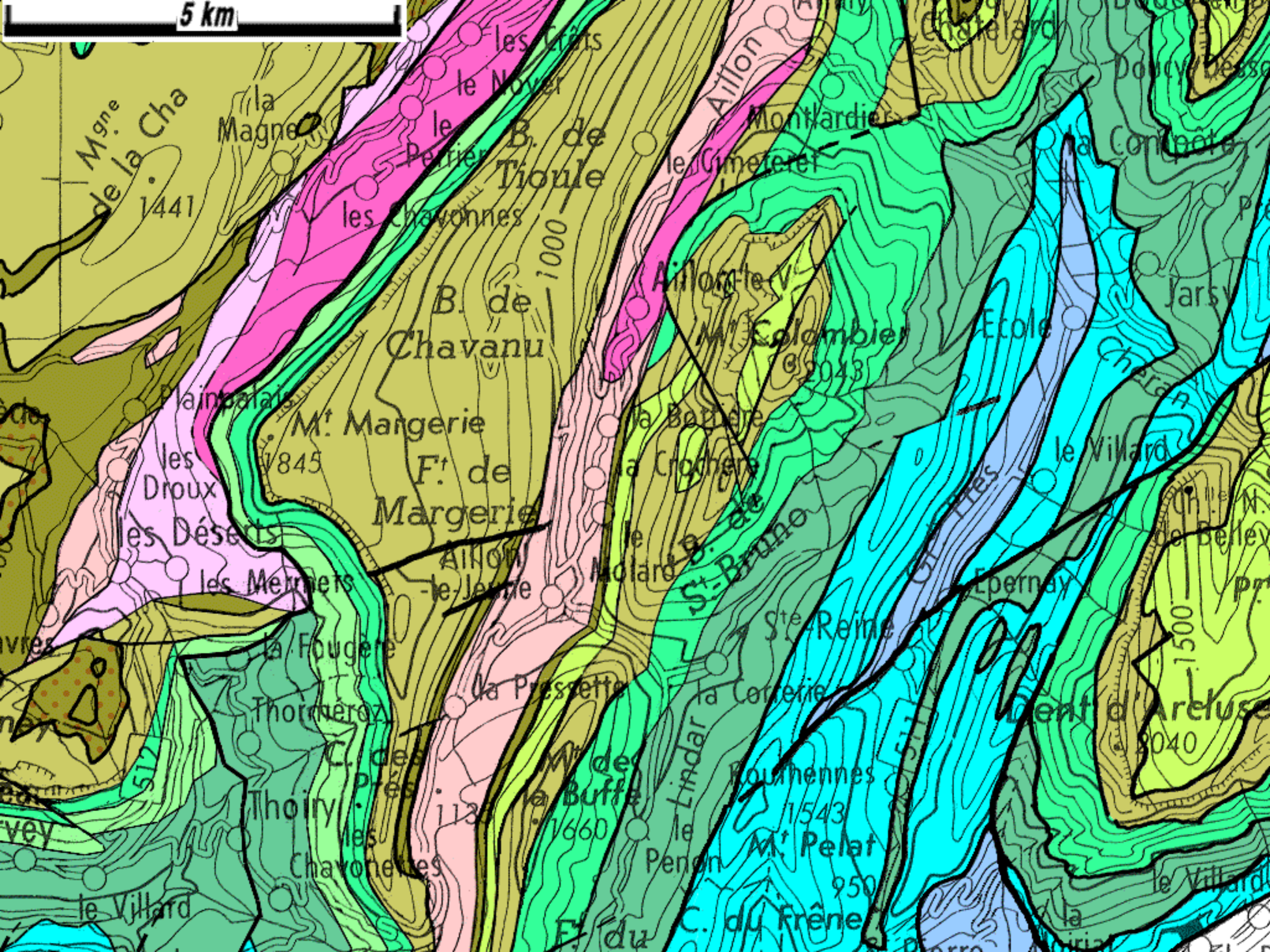
PAUSE ?

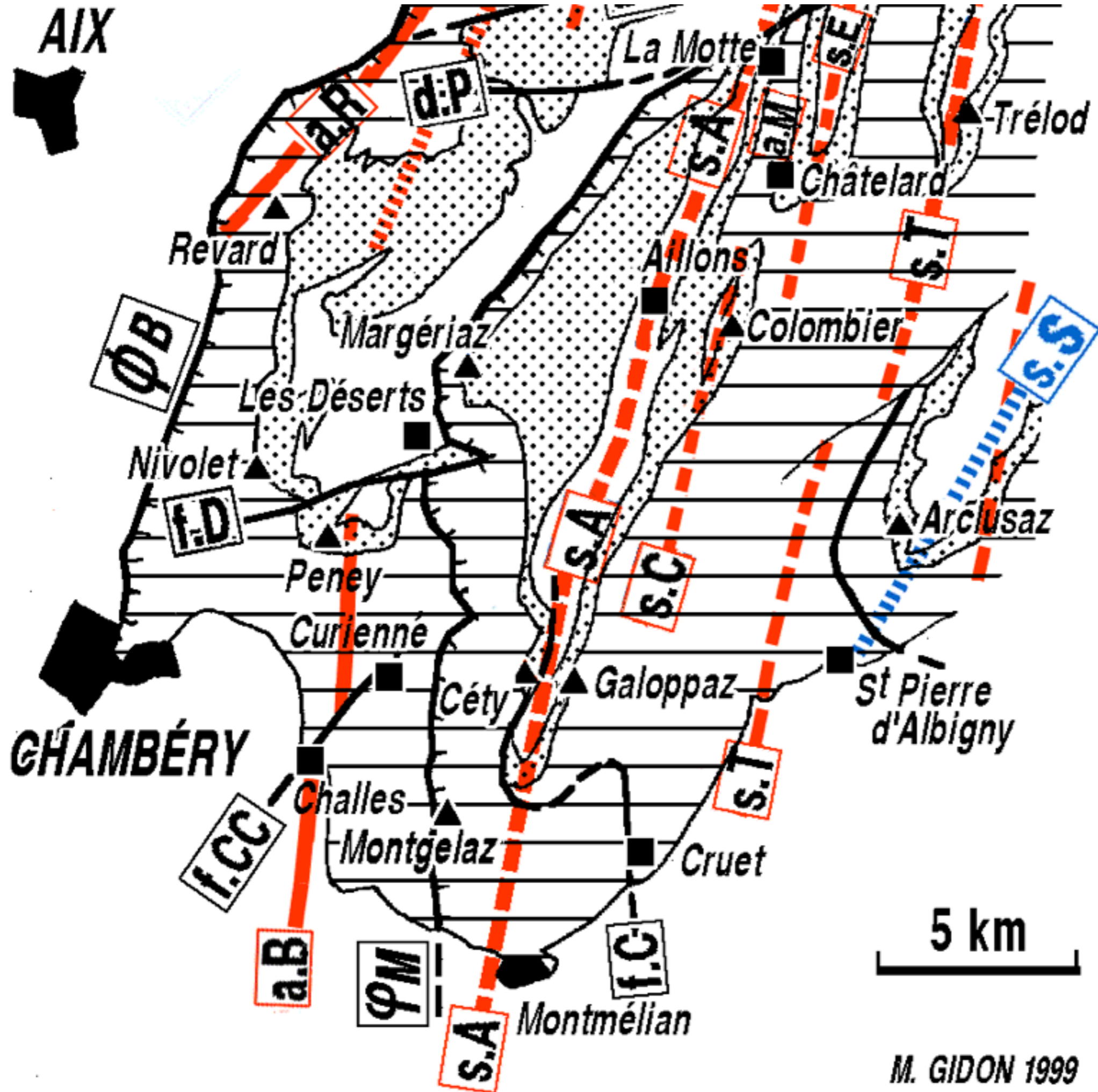
Le coeur des Bauges

au sud-ouest

de la vallée du Chéran

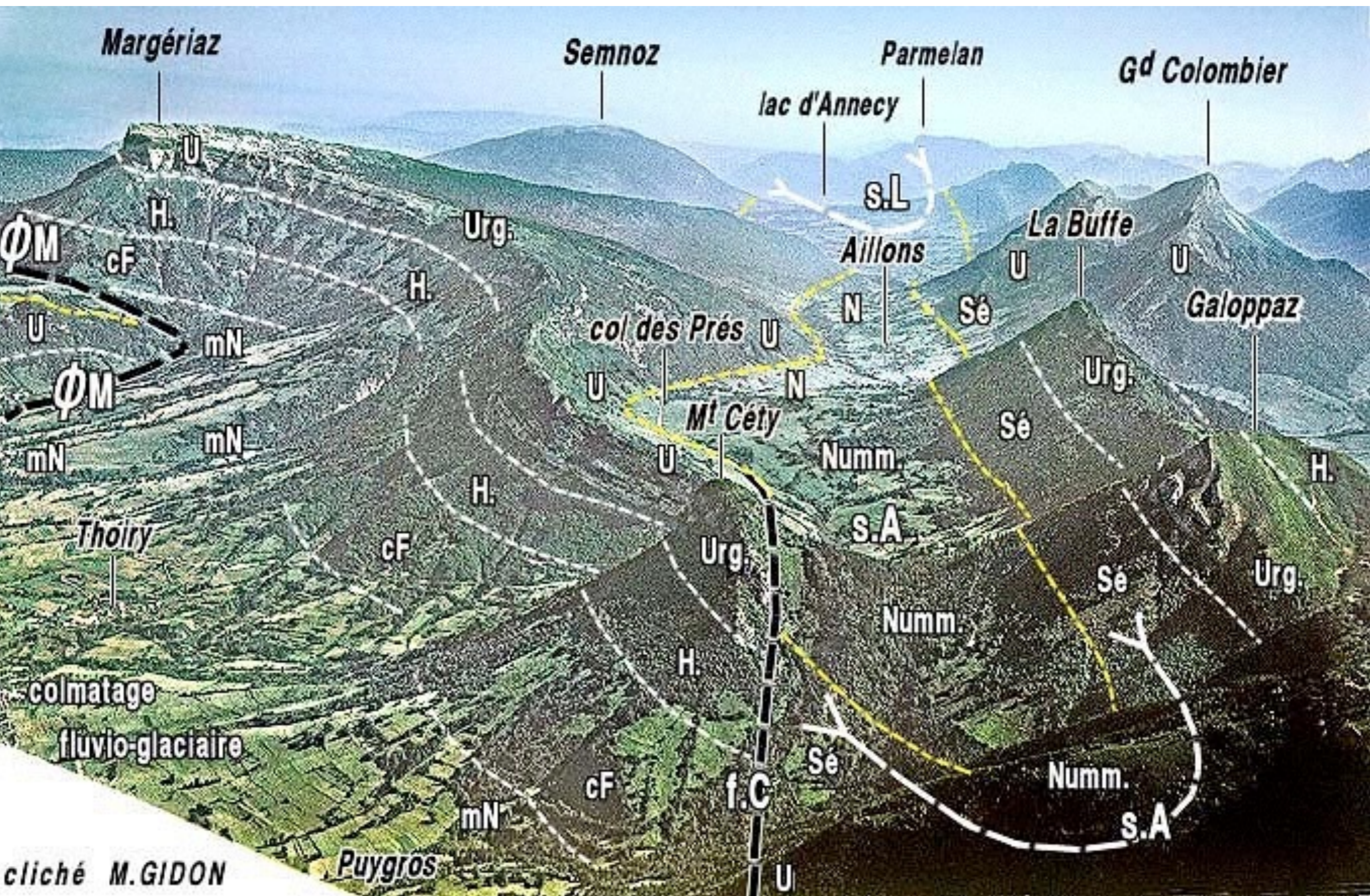
5 km



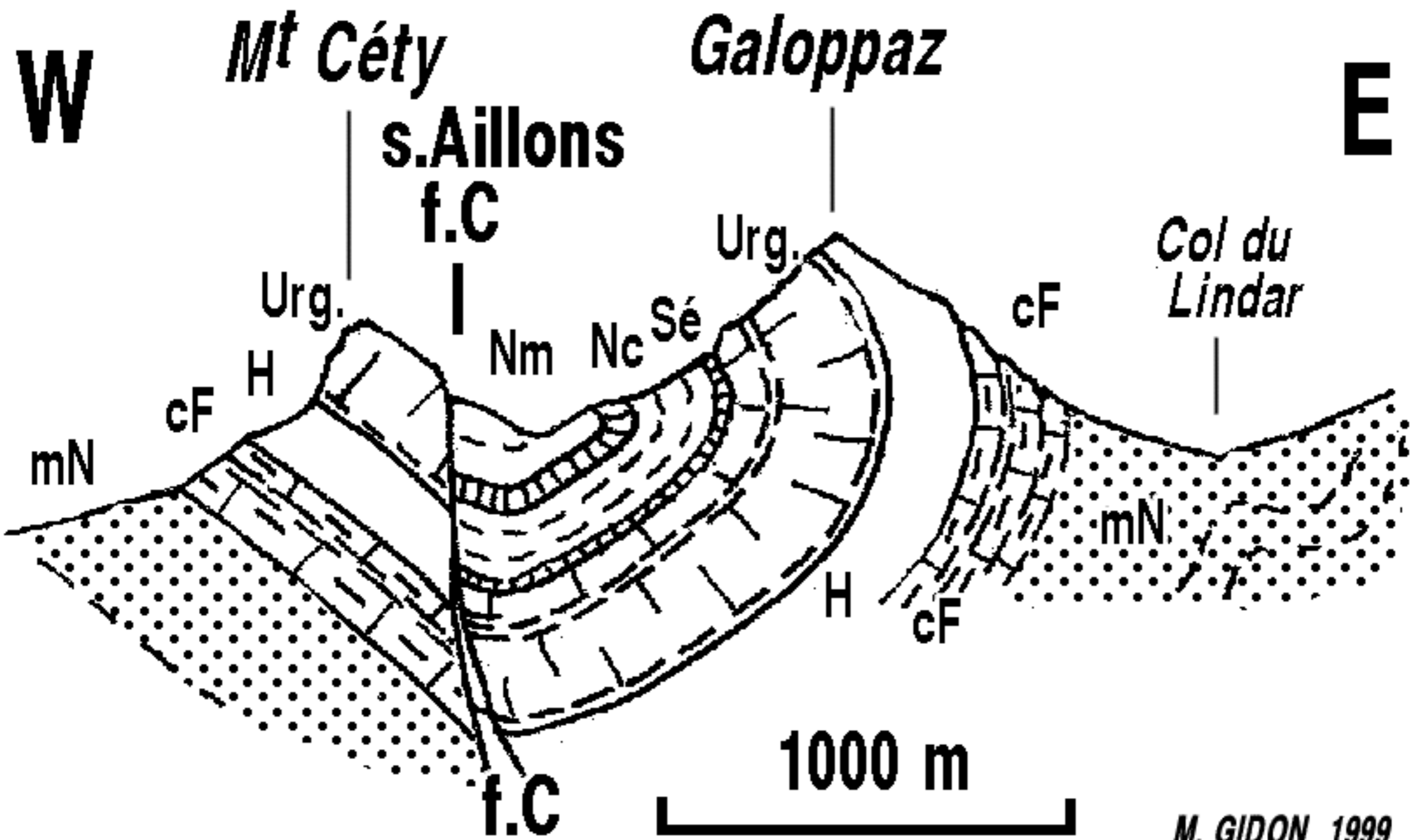


M. GIDON 1999





cliché M.GIDON



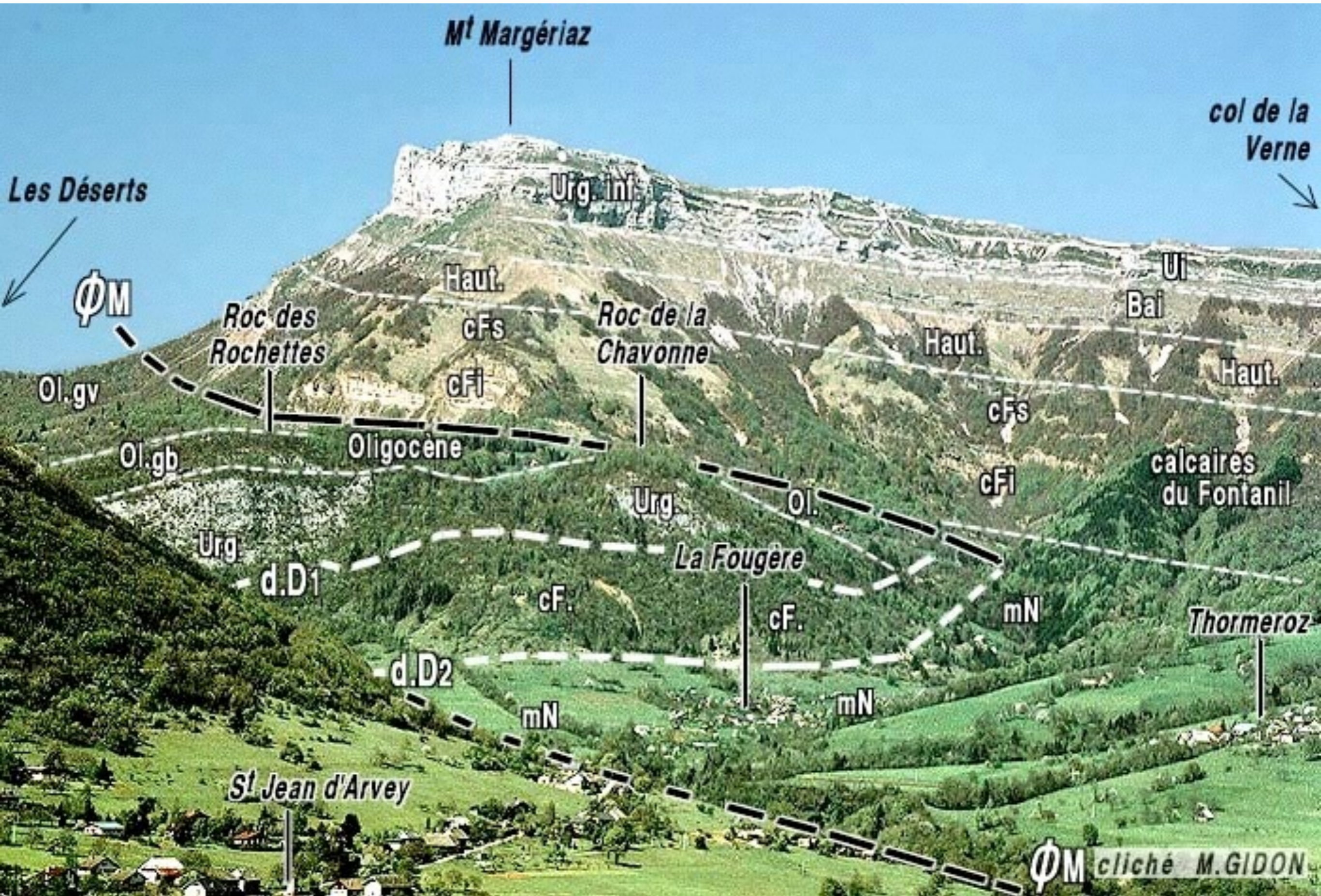
M. GIDON 1999





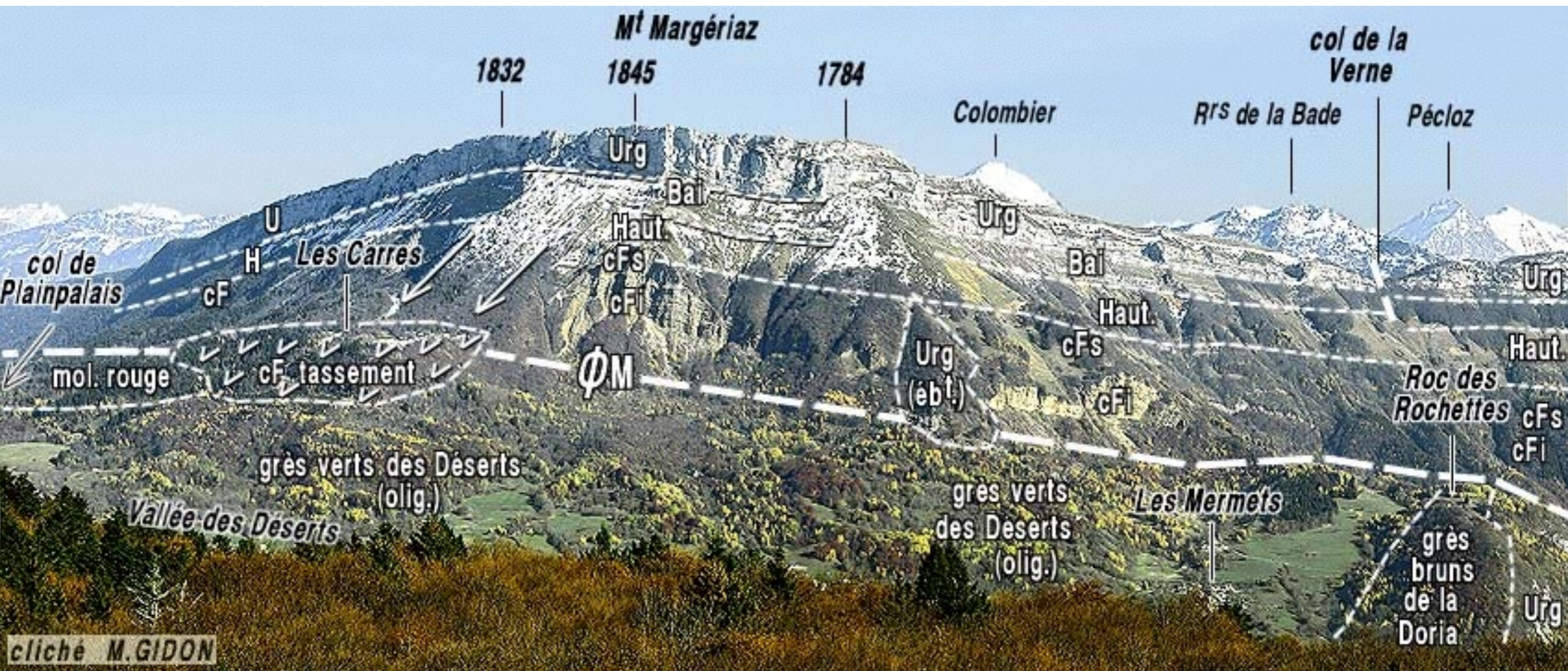
cliché M.GIDON







cliché M.GIDON



cliché M.GIDON

W-NW

dépression monoclinale
des Déserts

E-SE

MARGÉRIAZ

La Féclaz

ΦM

Plaimpalais

Ol.

Urg.

H
cF

Éoc.

H.

mN

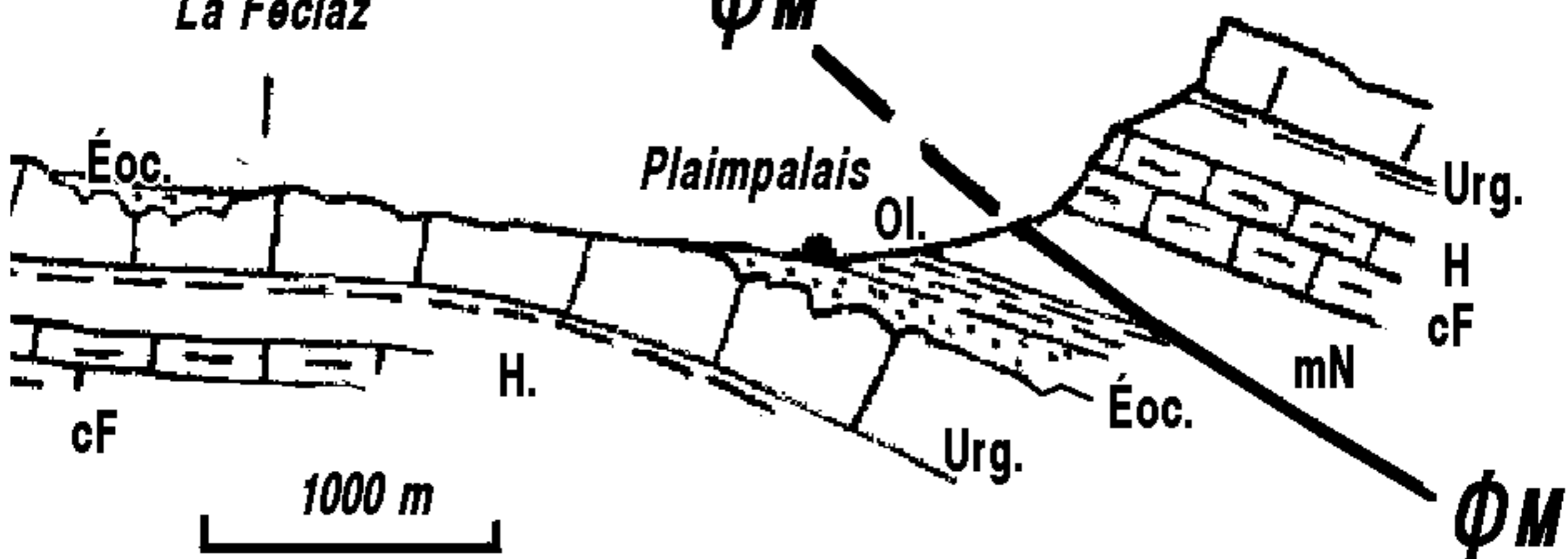
Éoc.

Urg.

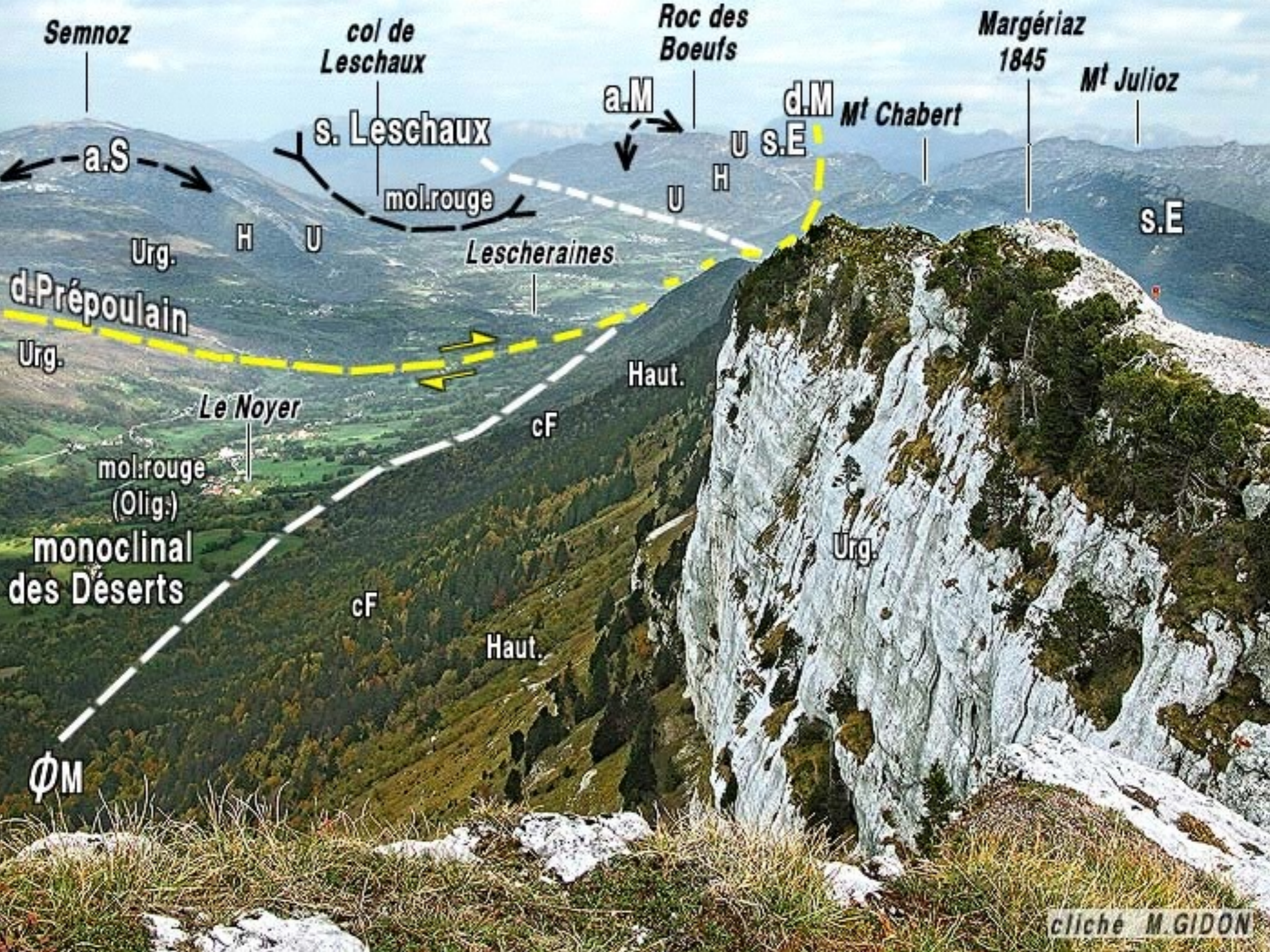
ΦM

cF

1000 m







Semnoz

col de Leschaux

Roc des Boeufs

Margériaz 1845

Mt Julioz

s. Leschaux

a.M

d.M

Mt Chabert

a.S

mol.rouge

U

U

H

s.E

s.E

Urg.

H

U

Lescheraines

d.Prépoullain

Urg.

Haut.

Le Noyer

cF

mol.rouge (Olig.)

monoclinal des Déserts

cF

Haut.

Urg.

\emptyset M

cliché M.GIDON





Mt Colombier

col du Colombier

Dt de Rossanaz

a.Motte

Urg.

s.C

f.C

Sén.

chât de la Bottière

Urg.

Sén.

Urg.

Sén.

Aillons le Jeune (La Combe)

Sén.

Urg.

Nc

Nc

Nc

Numm

Numm

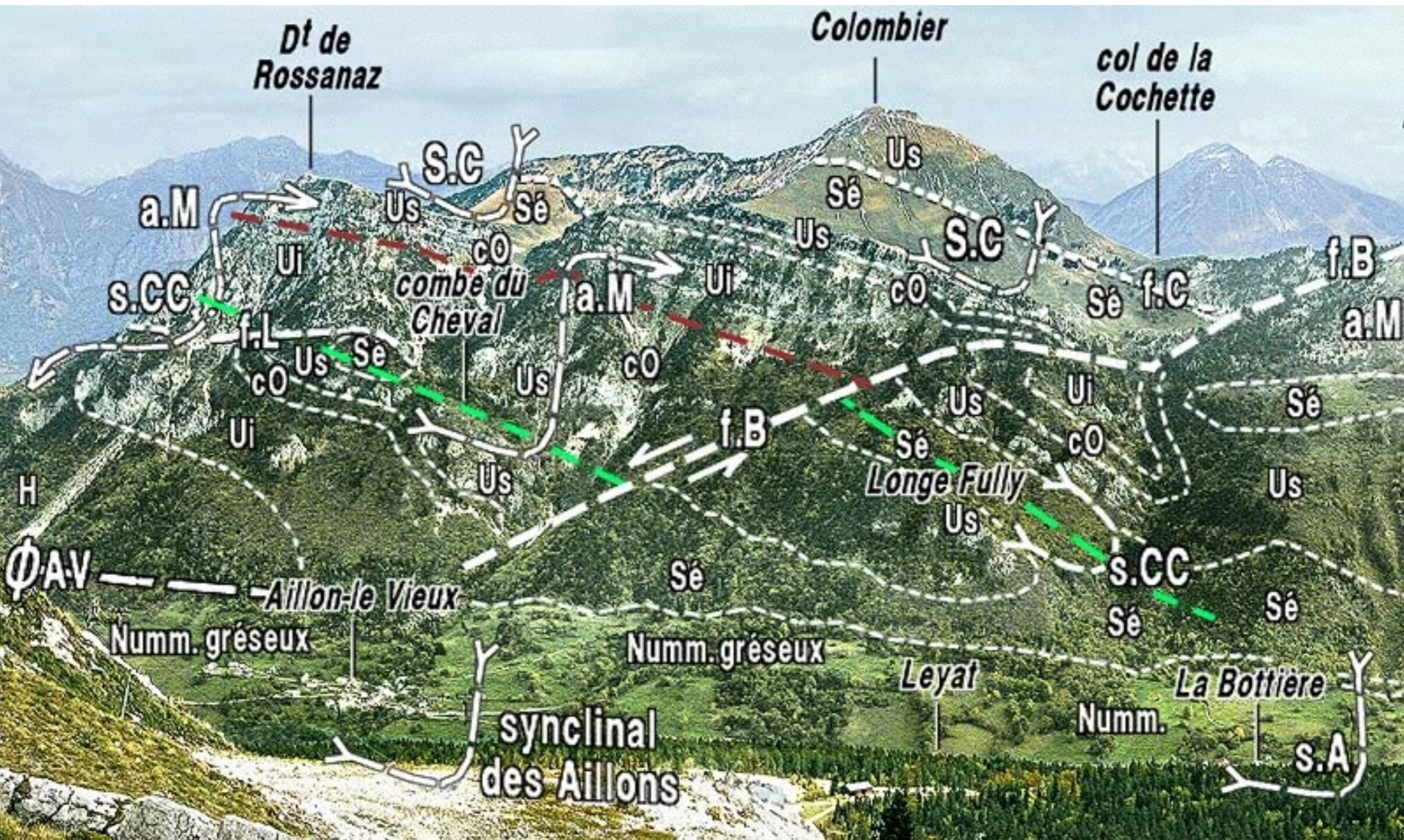
Numm

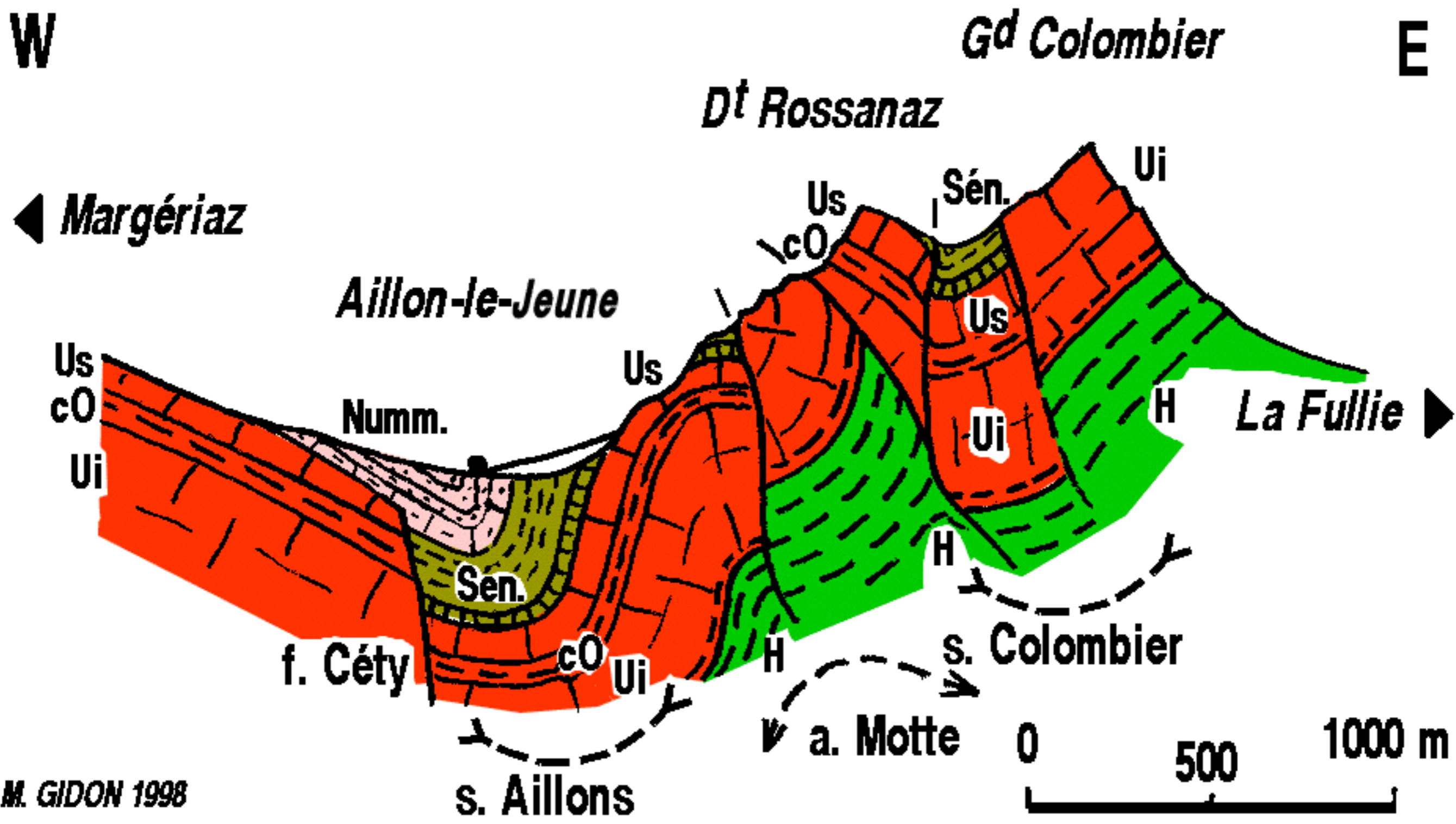
s.Aillons

s.A

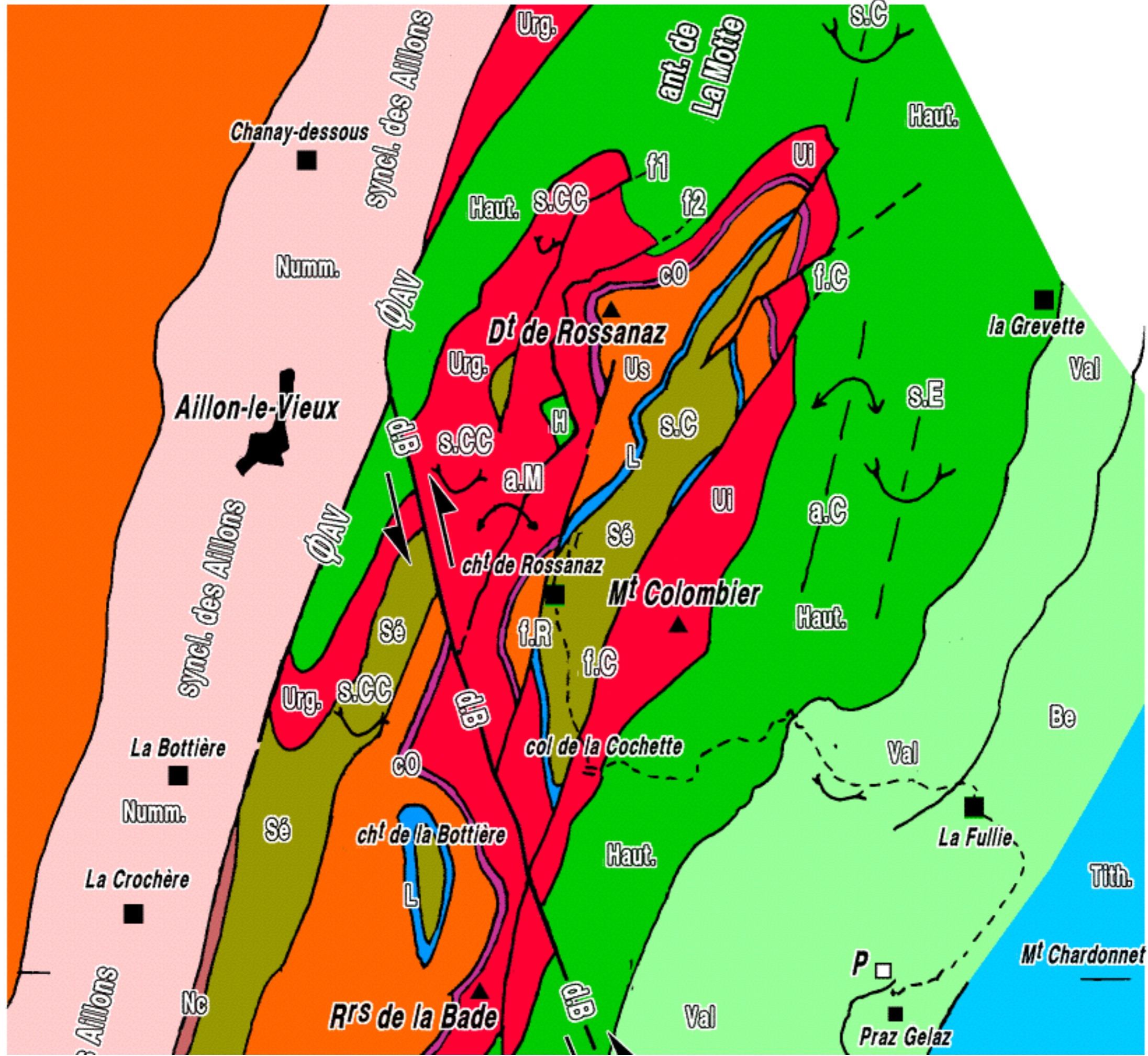
cliché M.GIDON



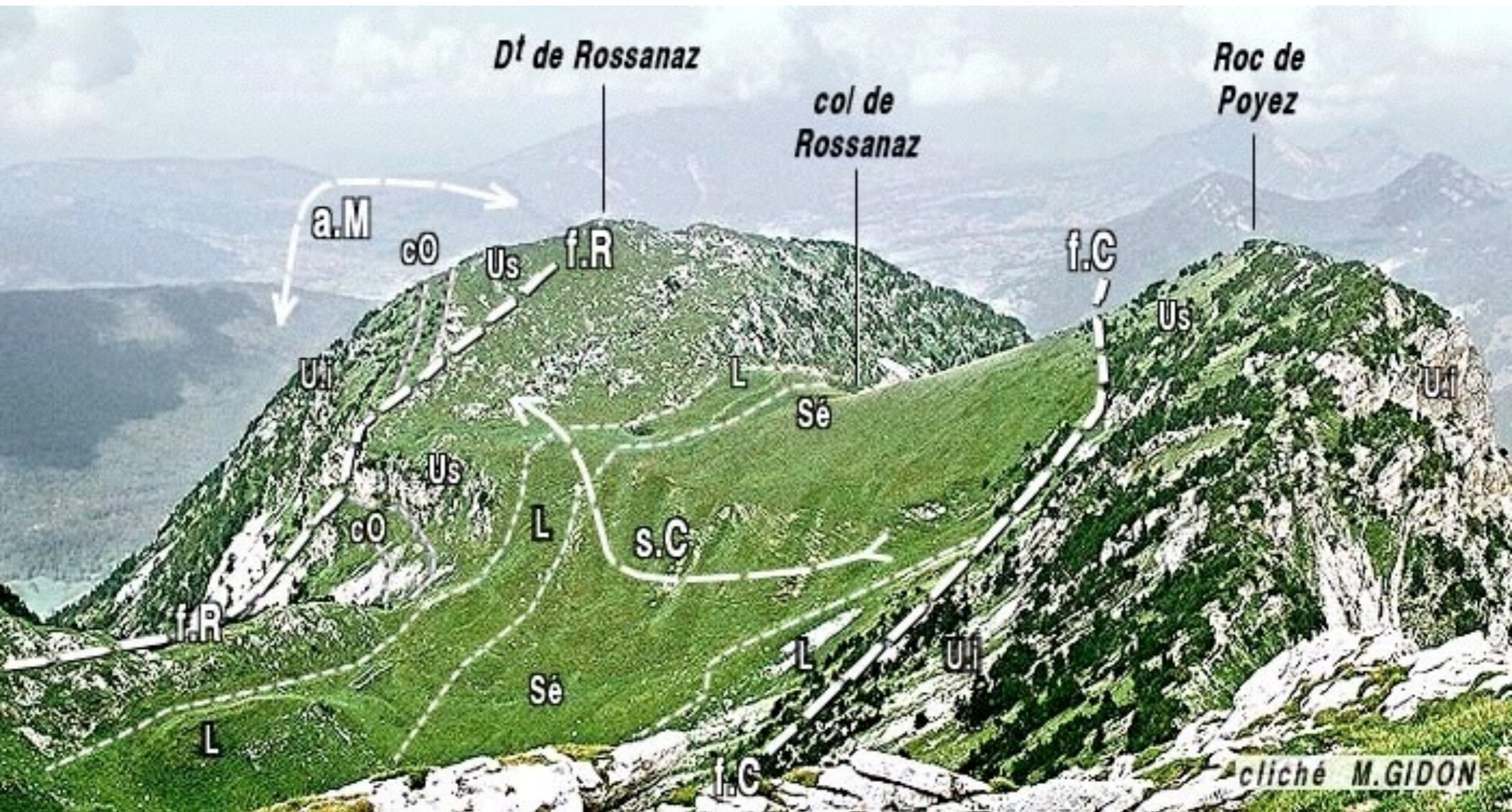




M. GIDON 1998

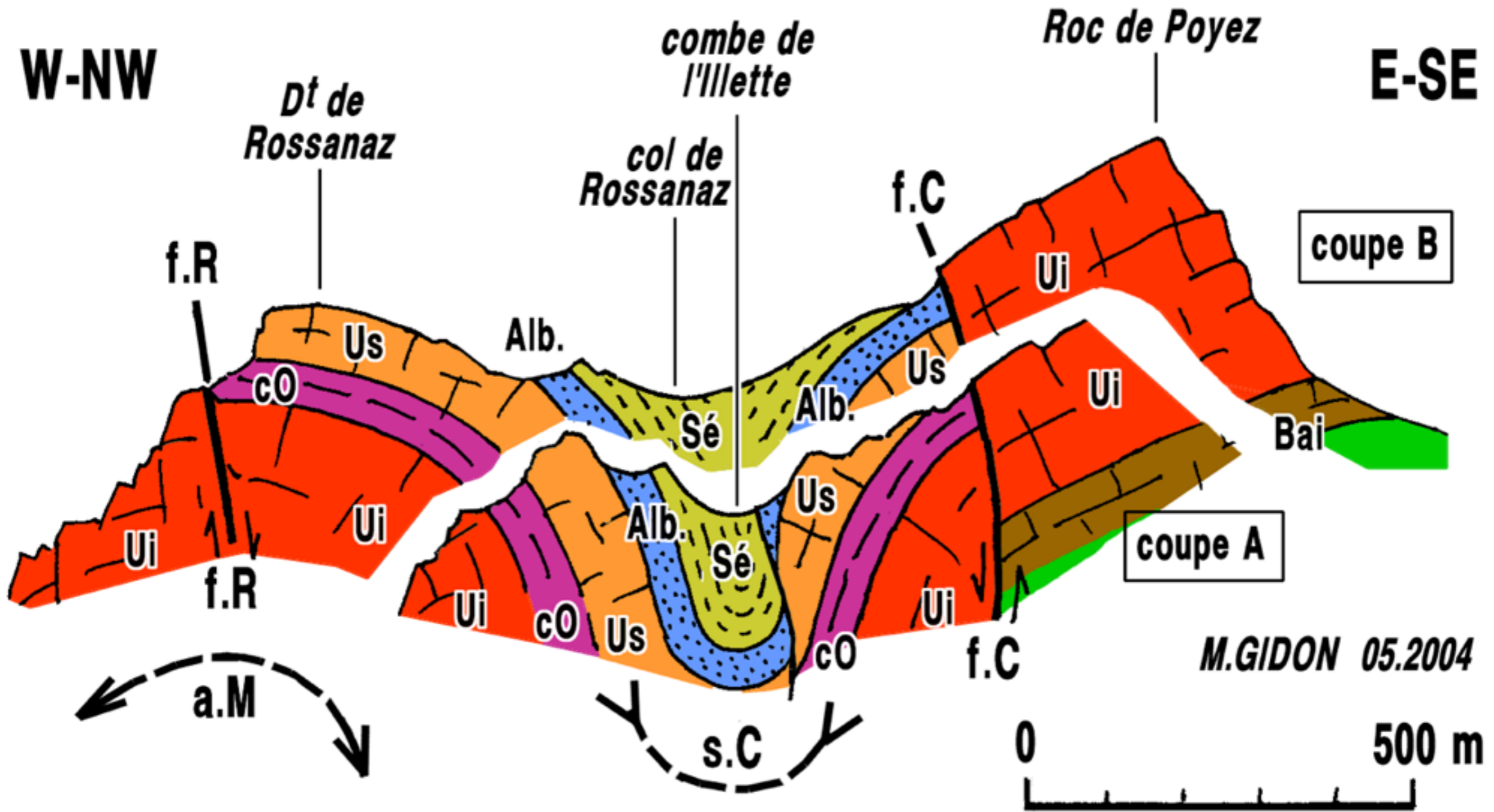




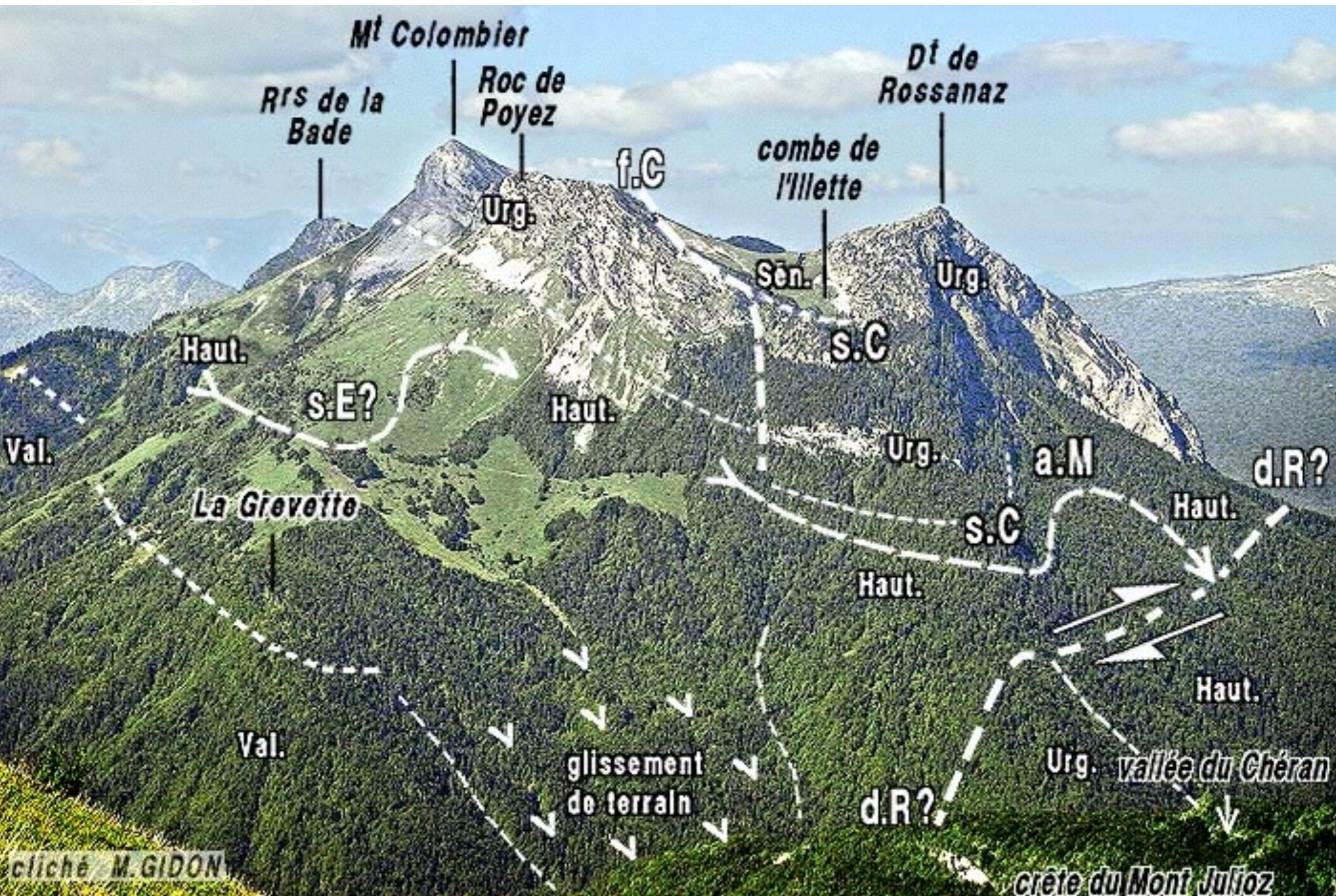


W-NW

E-SE







Mt Colombier

Rrs de la Bade

Roc de Poyez

Dt de Rossanaz

combe de l'Illette

f.C

Urg.

Urg.

Haut.

s.E?

Haut.

s.C

Urg.

a.M

d.R?

La Gievette

s.C

Haut.

Haut.

Haut.

Val.

glissement de terrain

Urg.

vallée du Chéran

d.R?

crête du Mont Julioz

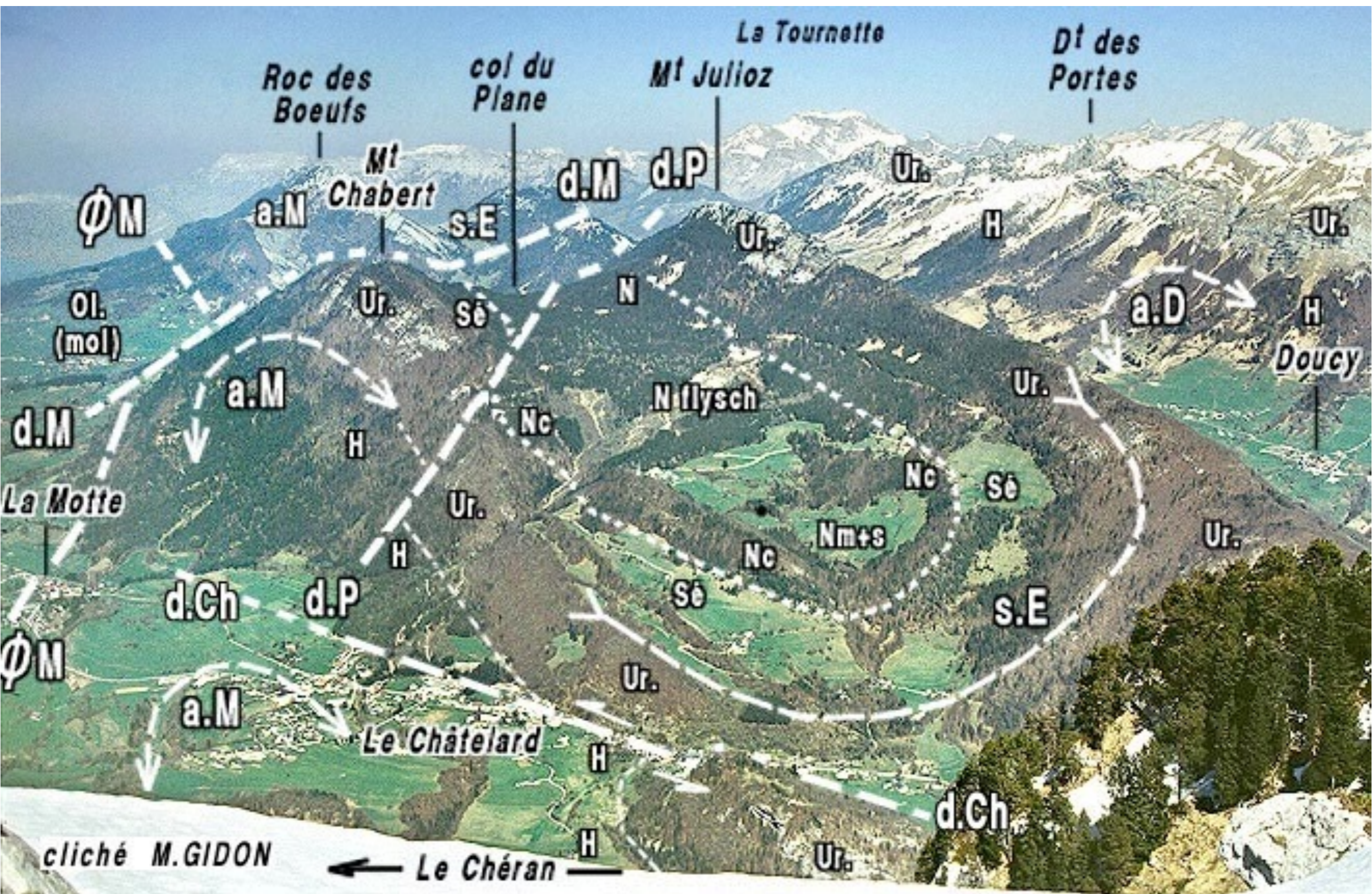
cliché M. GIDON

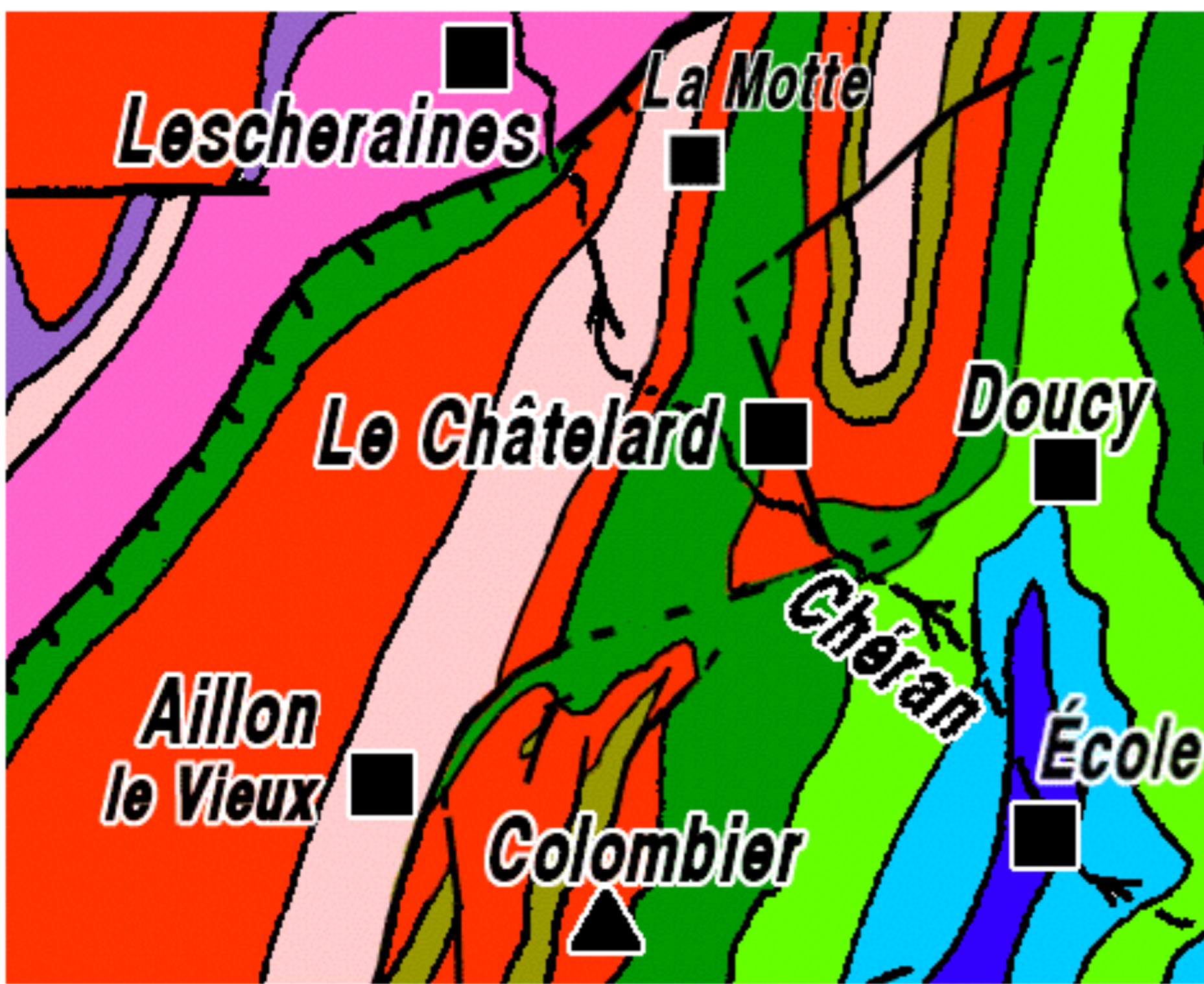
Le coeur des Bauges

au nord-est

de la vallée du Chéran

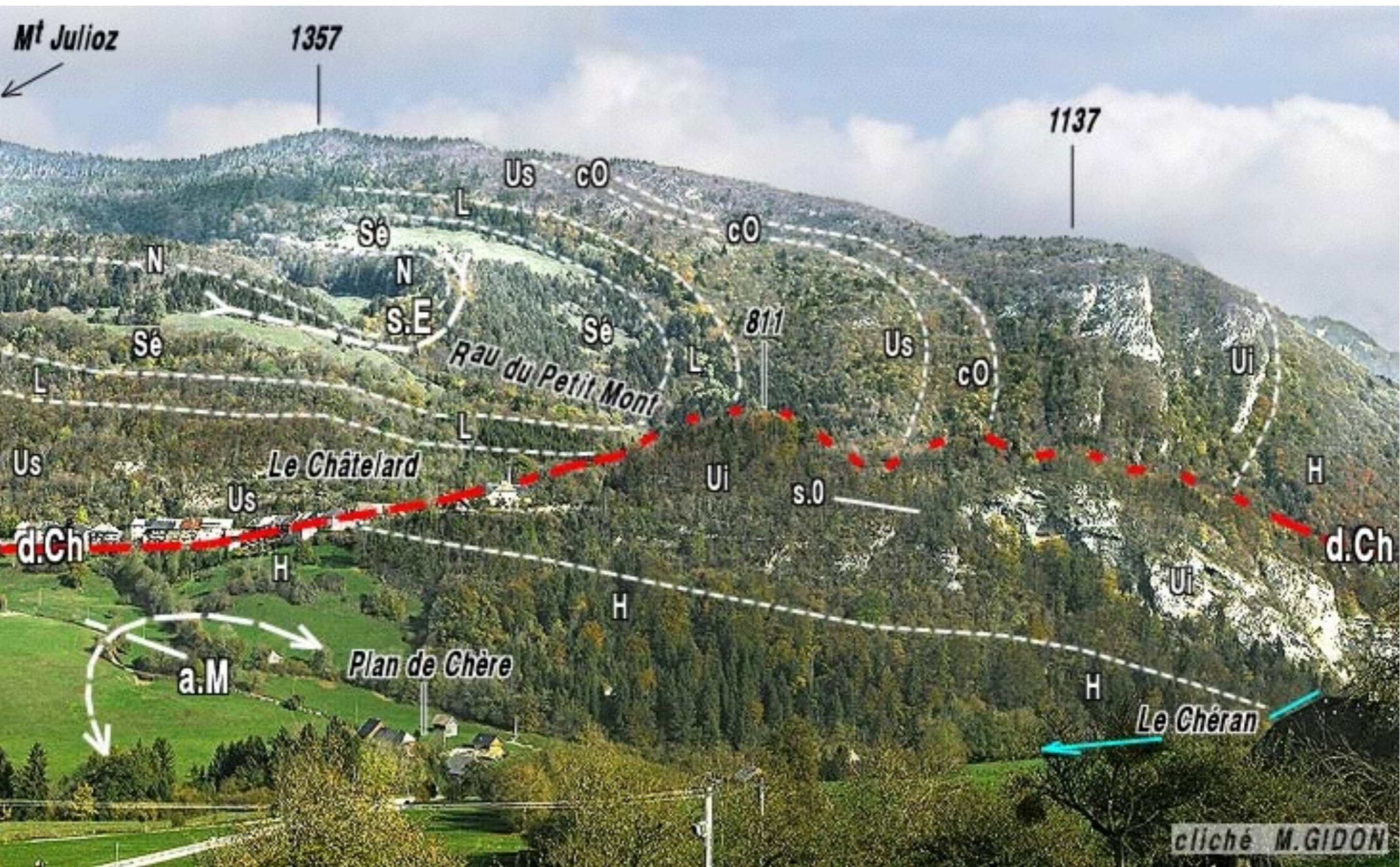






- 
 Oligocène
molasse / flysch / rouge
- 
 Éocène
grès / marnes et / contin. / calcaires
- 
 Sénonien
- 
 Urgonien
- 
 Hauterivien-
Valanginien
- 
 Berriasien
- 
 Tithonique s.l.





Mt Julioz

1357

1137

811

Rau du Petit Mont

Le Châtelard

Plan de Chère

Le Chèran

cliché M.GIDON

N

Sé

N

S.E

Sé

Sé

L

Us

cO

cO

Us

cO

Ui

L

L

Us

Us

Ui

s.O

H

d.Ch

H

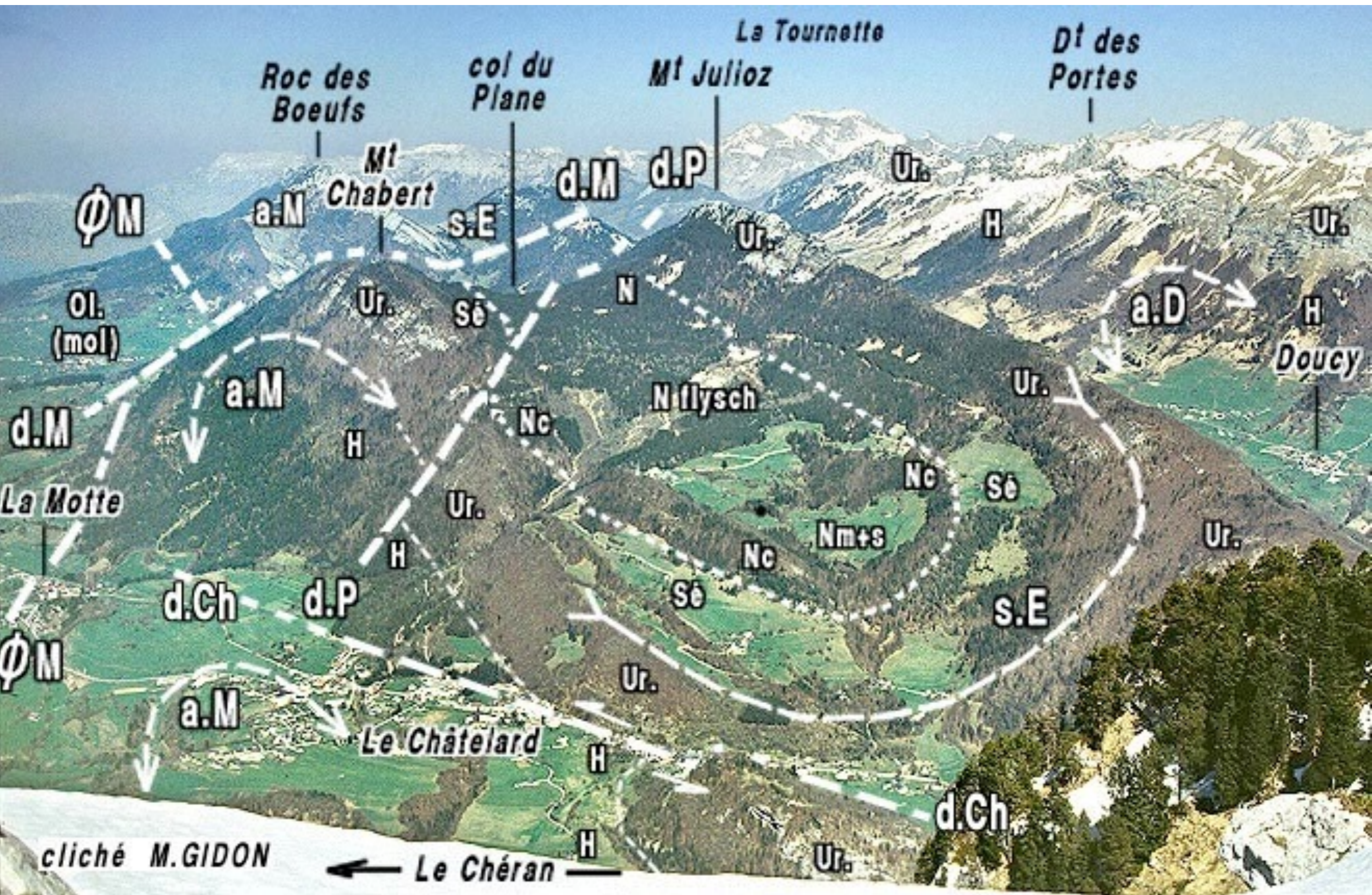
H

Ui

d.Ch

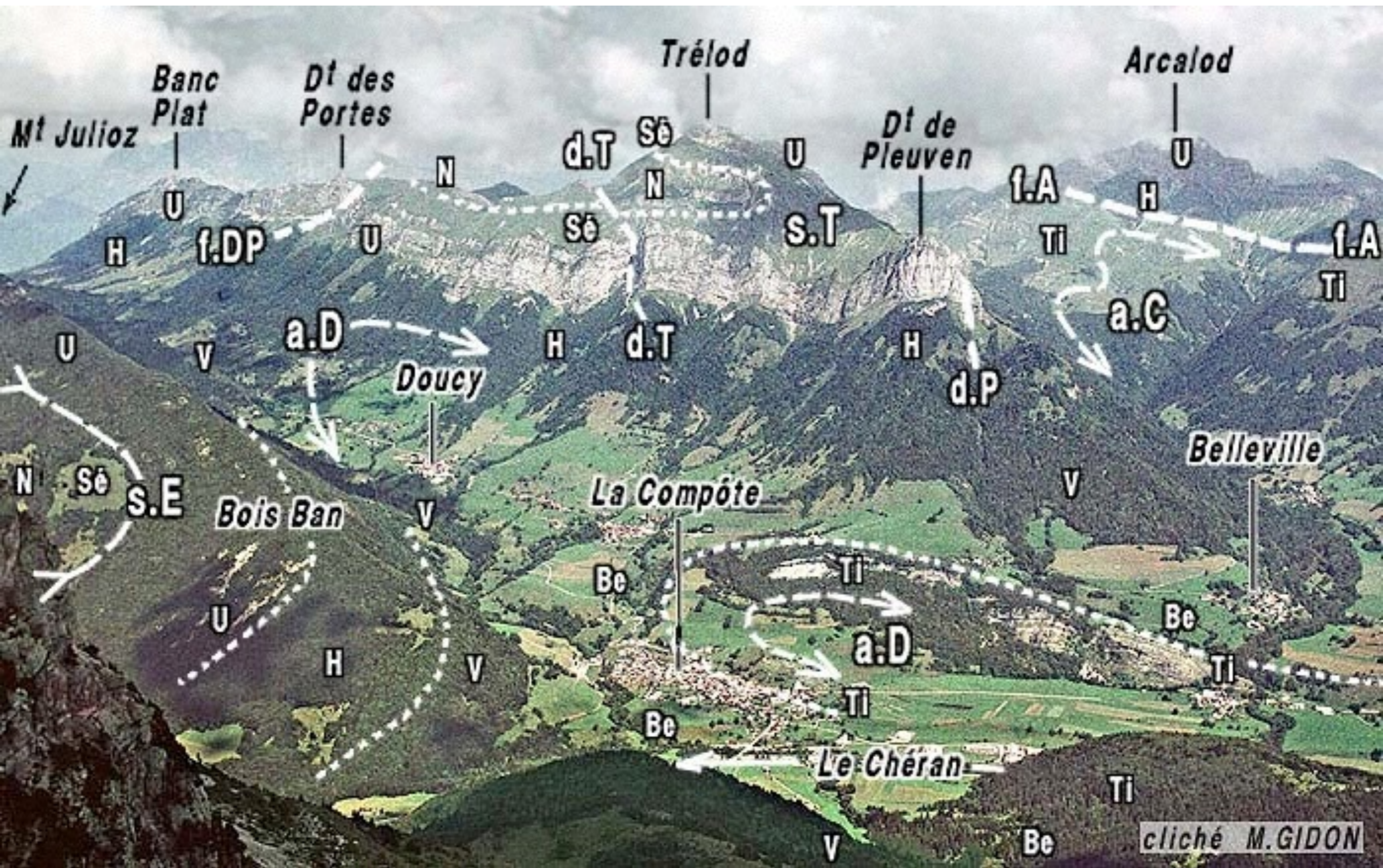
a.M

H



cliché M.GIDON





cliché M.GIDON





cliché M.GIDON





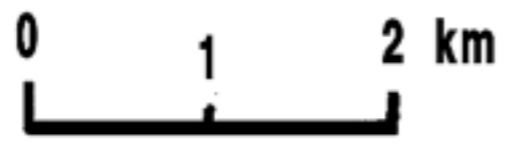


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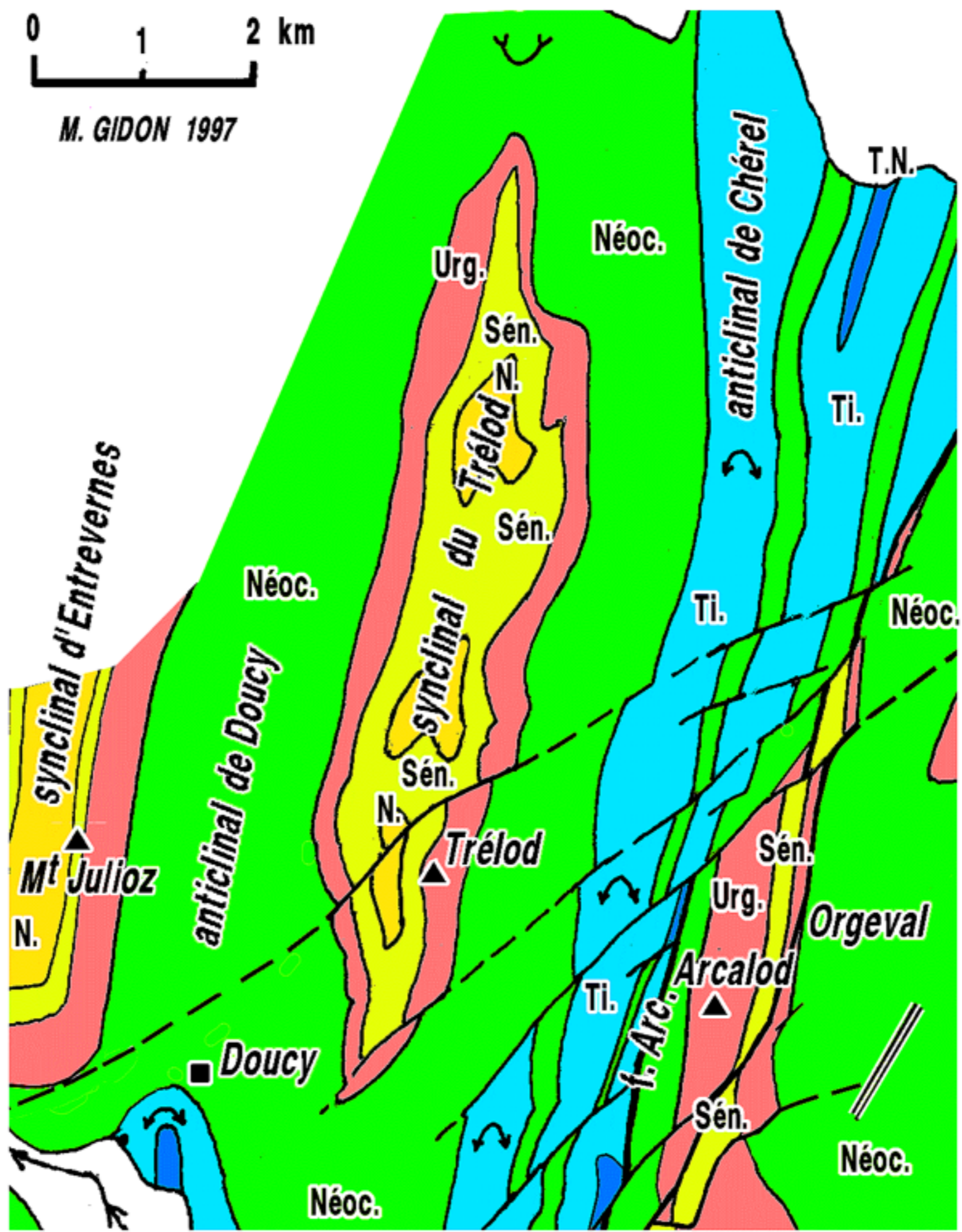




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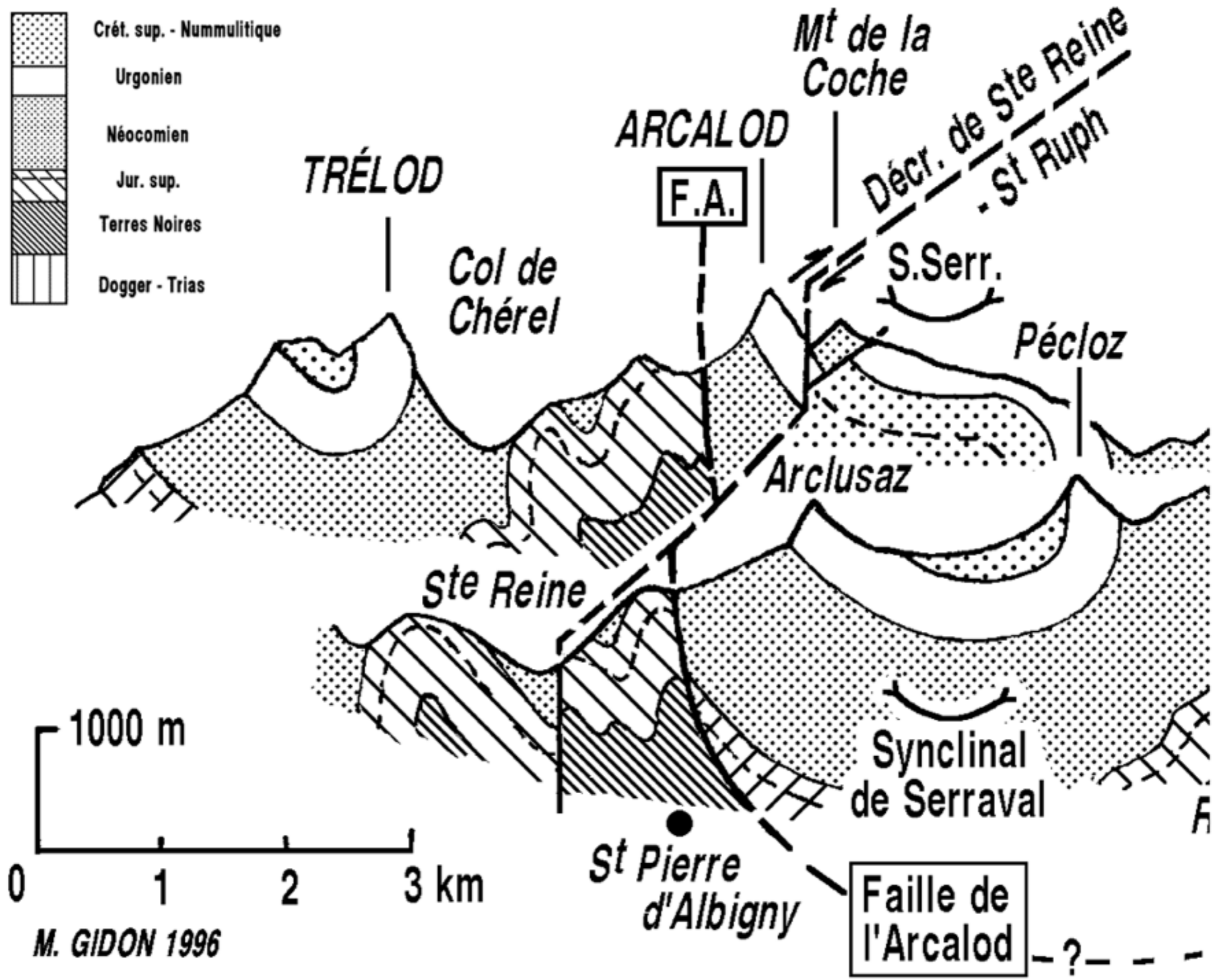


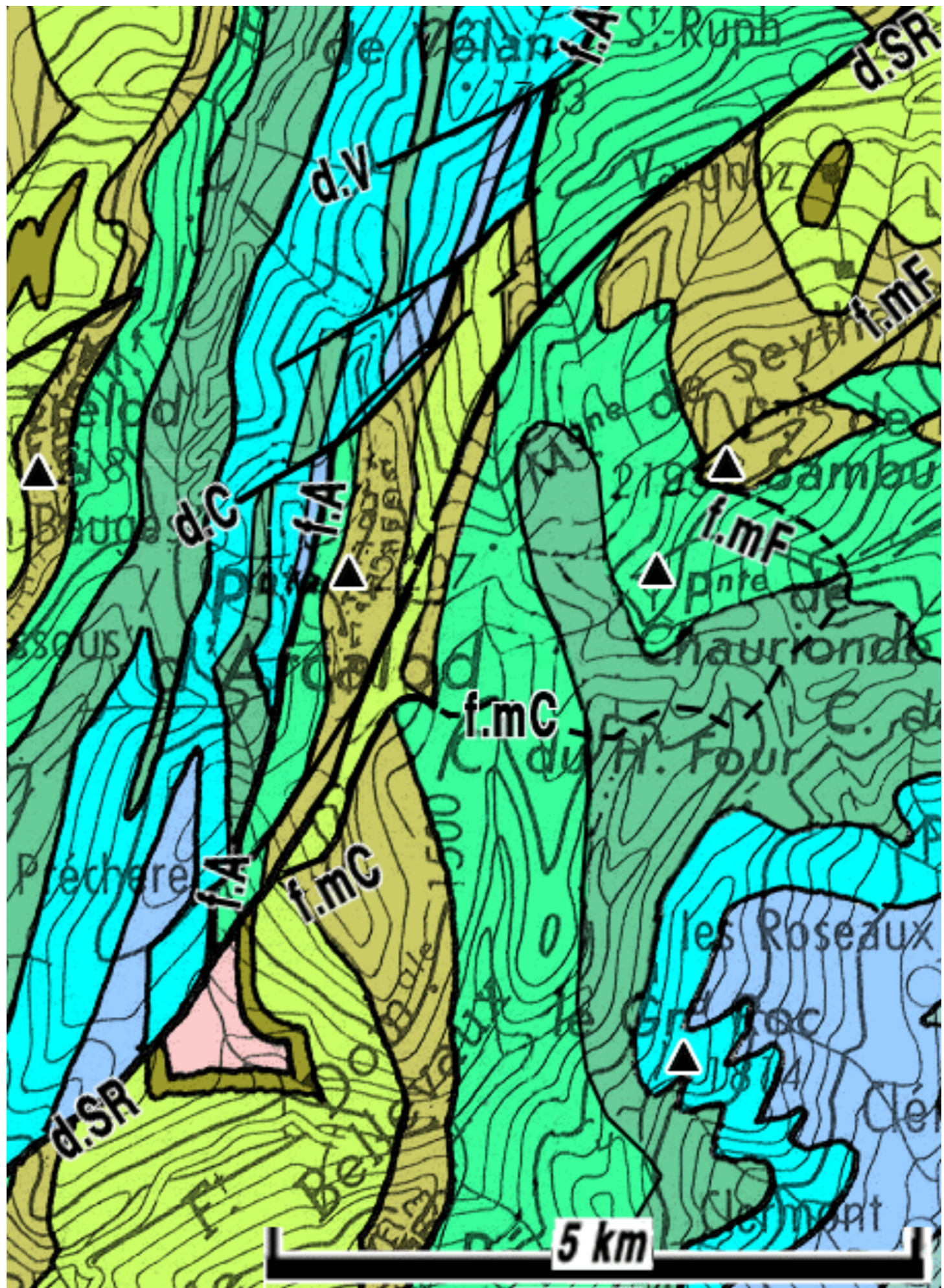
M. GIDON 1997















Mont-Blanc

BEAUFORTAIN

Sambuy

Dt de Cons

Pécloz

Armenaz

Haut

pte des Arces

crête de La Lanche

Haut-Val

Orisan

a.O

H

a.A

a.A

Val

Sèn

Urg

L'Encerclement

Chéran

Sèn

Urg

Val

Haut

Urg

Numm.

s.P

s.P

Sèn

Numm.

ravin d'Armenaz

Sèn

s.P

Sèn

s.A

Urg

Sèn

Bellevaux

Sèn

Sèn

s.A

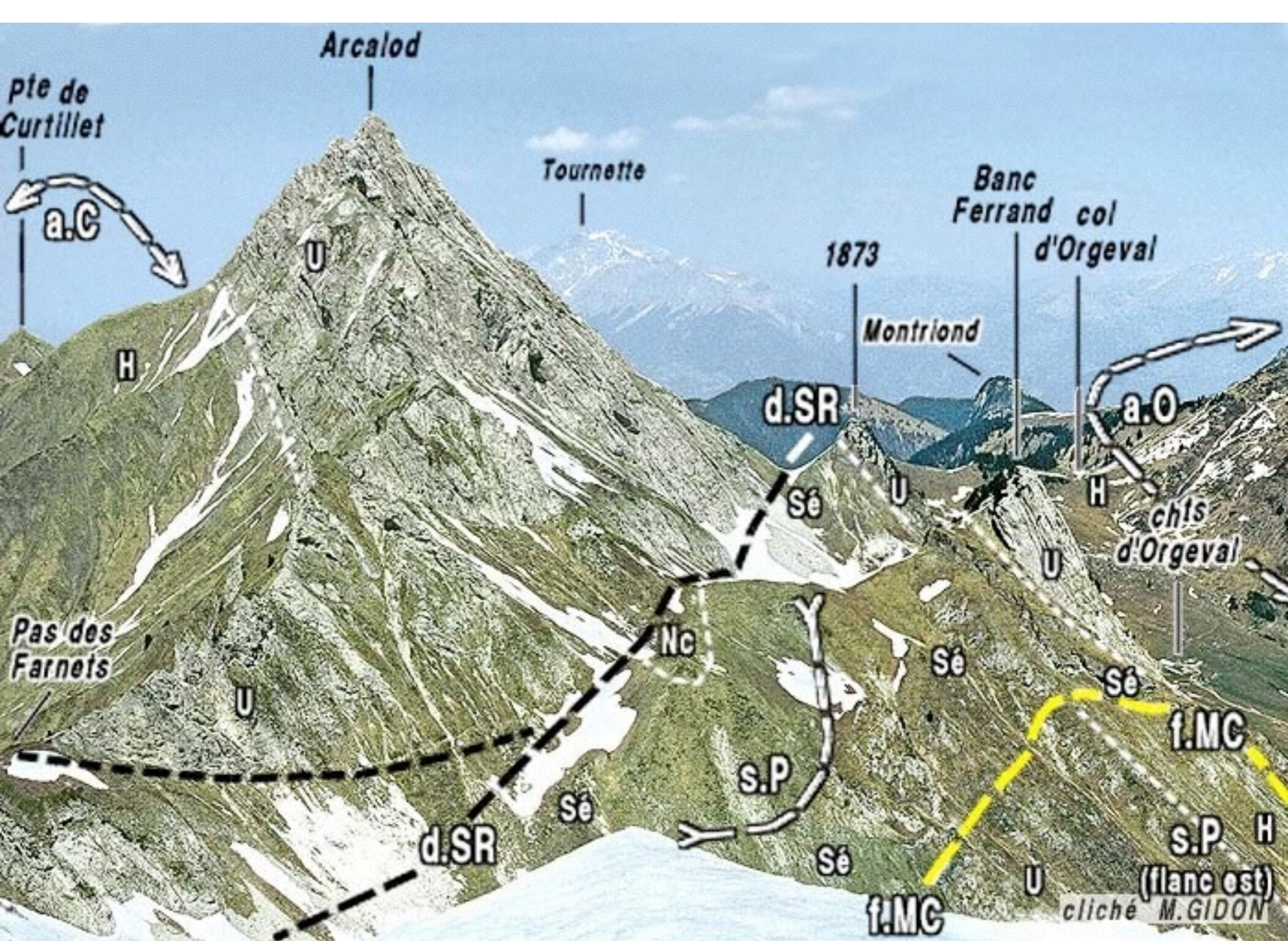
Sèn

Urg

val d'Arclusaz

Urg





Arcalod

pte de
Curtillet

Tournette

Banc
Ferrand col
d'Orgeval

1873

Montriond

a.C

U

d.SR

a.O

H

Sé

U

H

chts
d'Orgeval

Pas des
Farnets

U

Nc

Sé

Sé

f.MC

s.P

Sé

d.SR

Sé

s.P

H

f.MC

U

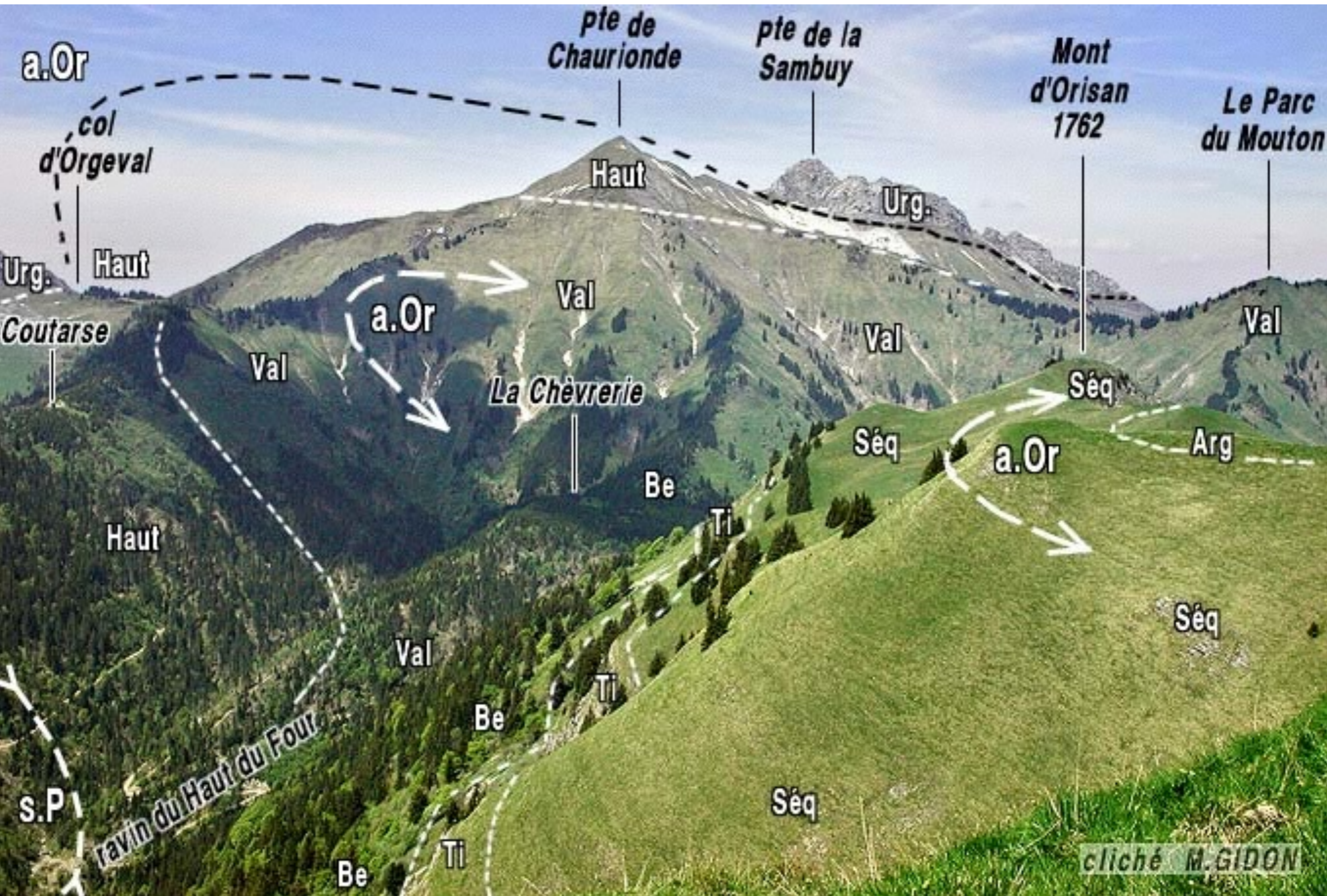
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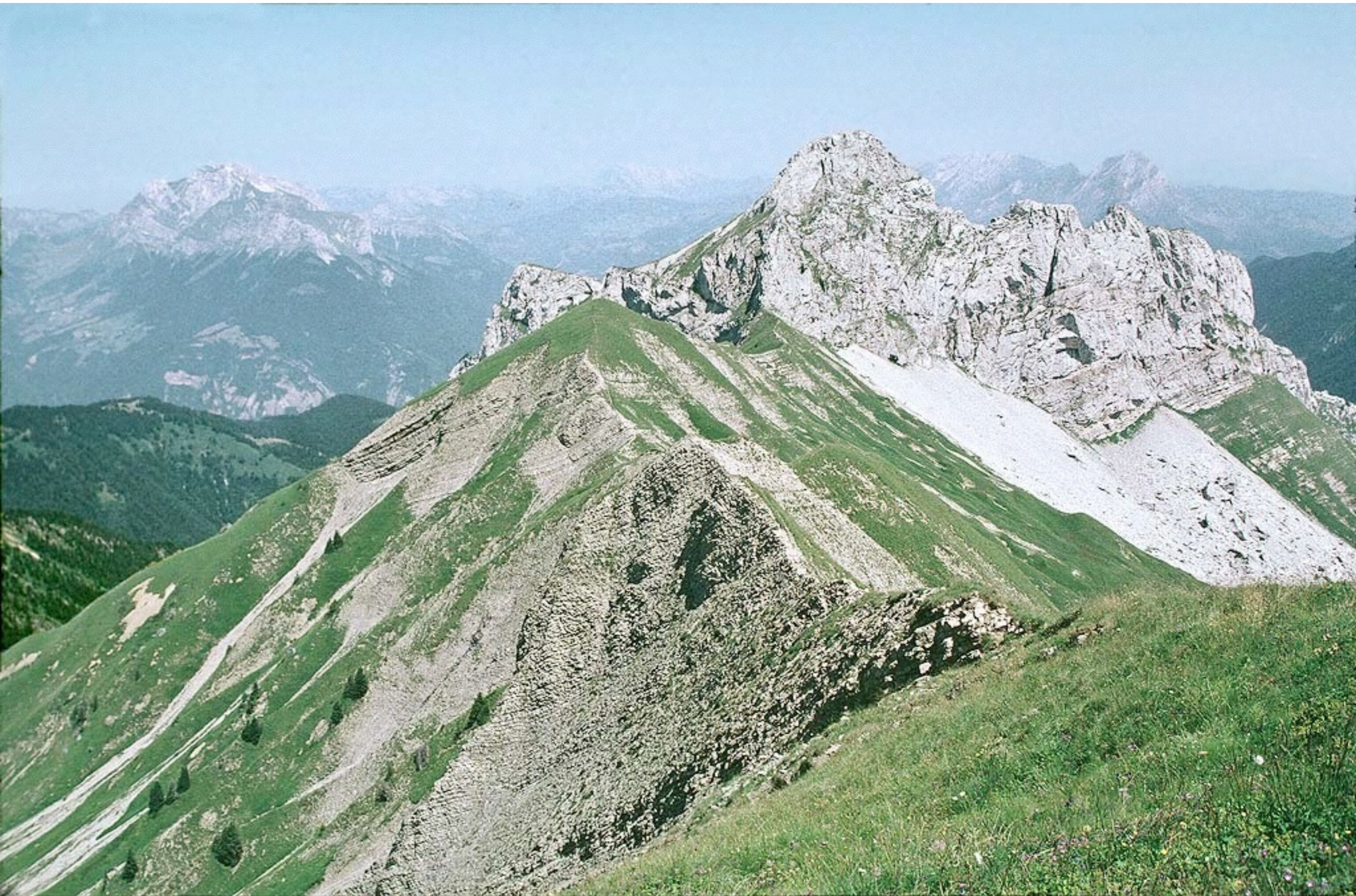






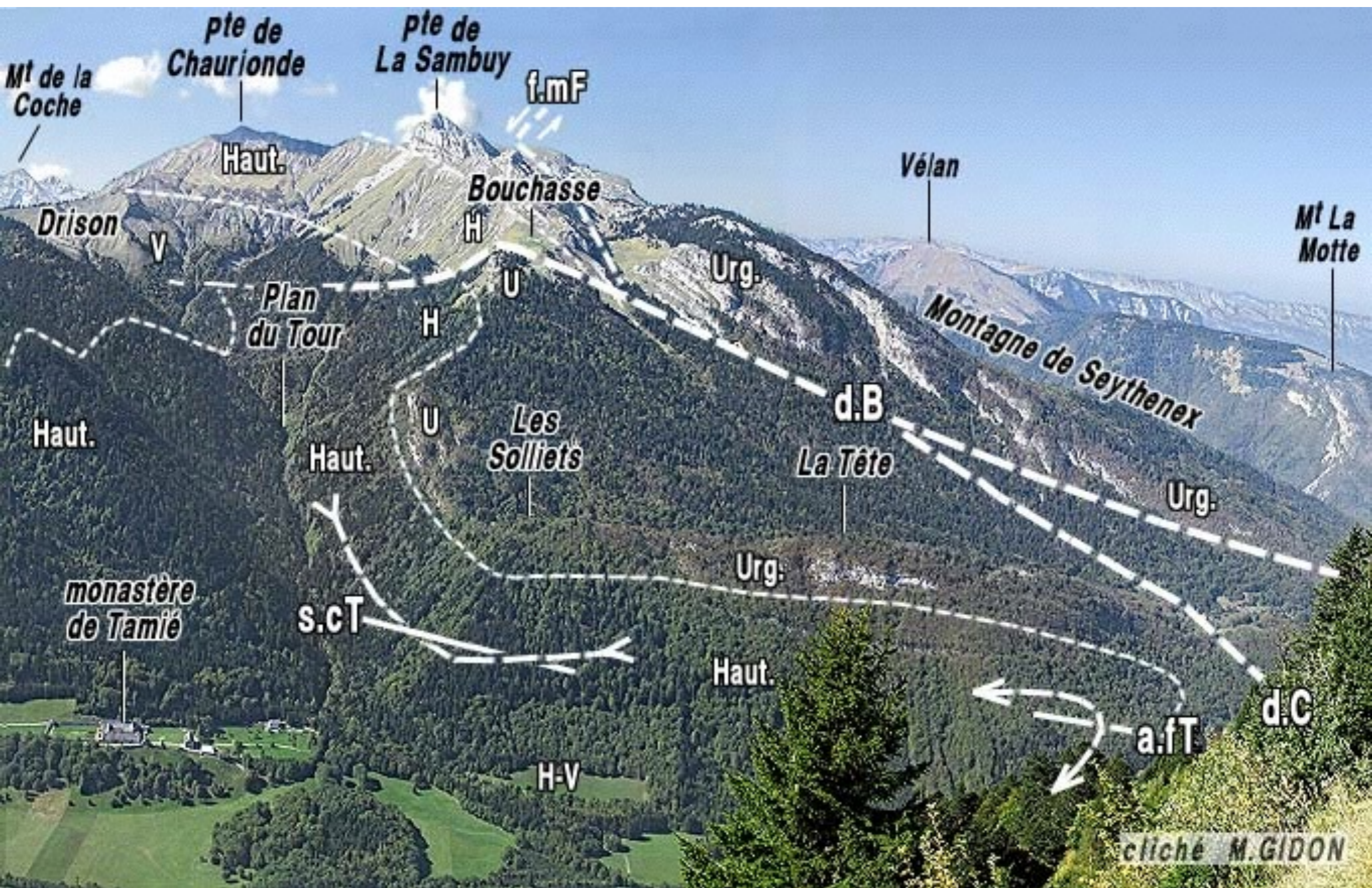


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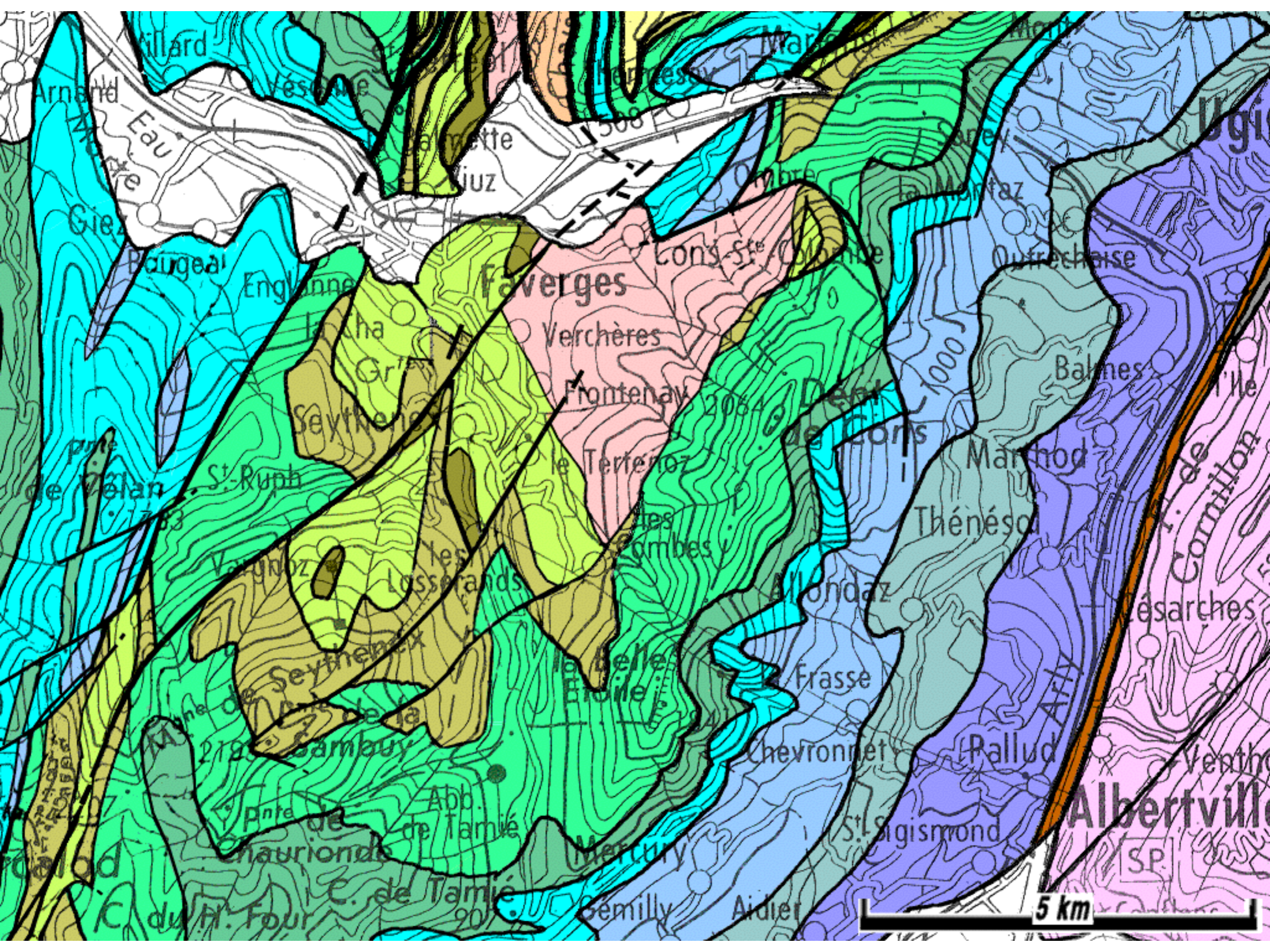






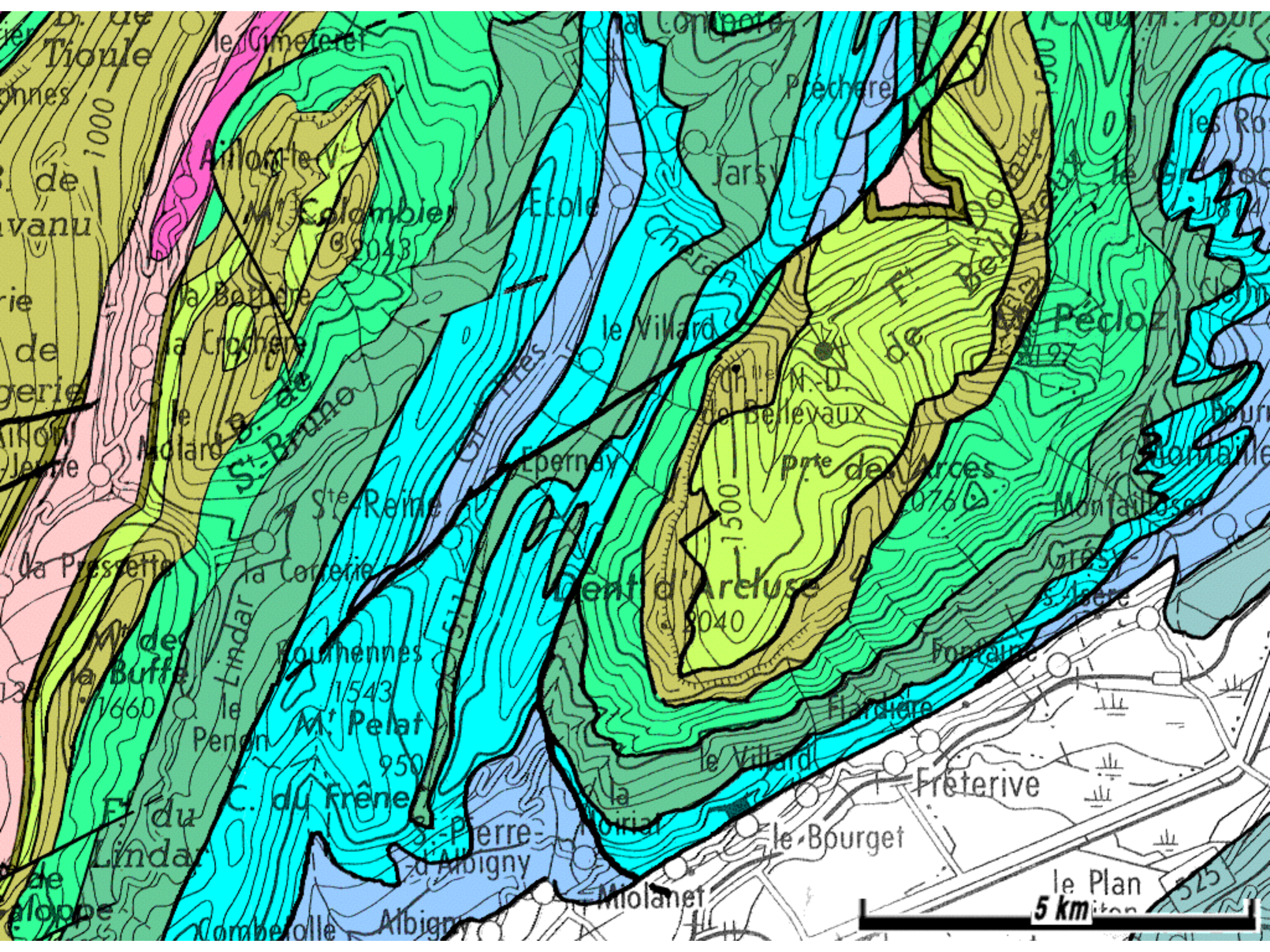


cliché M.GIDON



***Les Bauges
orientales :***

***l'extrémité nord de la
Combe de Savoie***



Tioule

de
vanu

de
gerie

la Presse

Mt. de
la Buffe
1660

E. du
Lindar

de
loppe

le Cimetière

Aillon-le-V

Mt. Colombier
2043

la Barrière

la Crochère

le S. de
St. Bruno

la Carrière

Rouhennes
1543

Mt. Pelat
950

C. du Frêne

Comberolle

Etole

le Villard

Epernay

Dent d'Areluse
2040

le Villard

la
Noirier

Albigny

la Comberolle

Jarsy

Cherrier

le Villard

Ch. de N.-D.
de Berlevaux

Epernay

Dent d'Areluse

le Villard

la
Noirier

Miolanet

Préchère

Jarsy

Cherrier

le Villard

Ch. de N.-D.
de Berlevaux

Epernay

Dent d'Areluse

le Villard

la
Noirier

Miolanet

la Comberolle

Jarsy

Cherrier

le Villard

Ch. de N.-D.
de Berlevaux

Epernay

Dent d'Areluse

le Villard

la
Noirier

Miolanet

la Comberolle

Jarsy

Cherrier

le Villard

Ch. de N.-D.
de Berlevaux

Epernay

Dent d'Areluse

le Villard

la
Noirier

Miolanet

la Comberolle

Jarsy

Cherrier

le Villard

Ch. de N.-D.
de Berlevaux

Epernay

Dent d'Areluse

le Villard

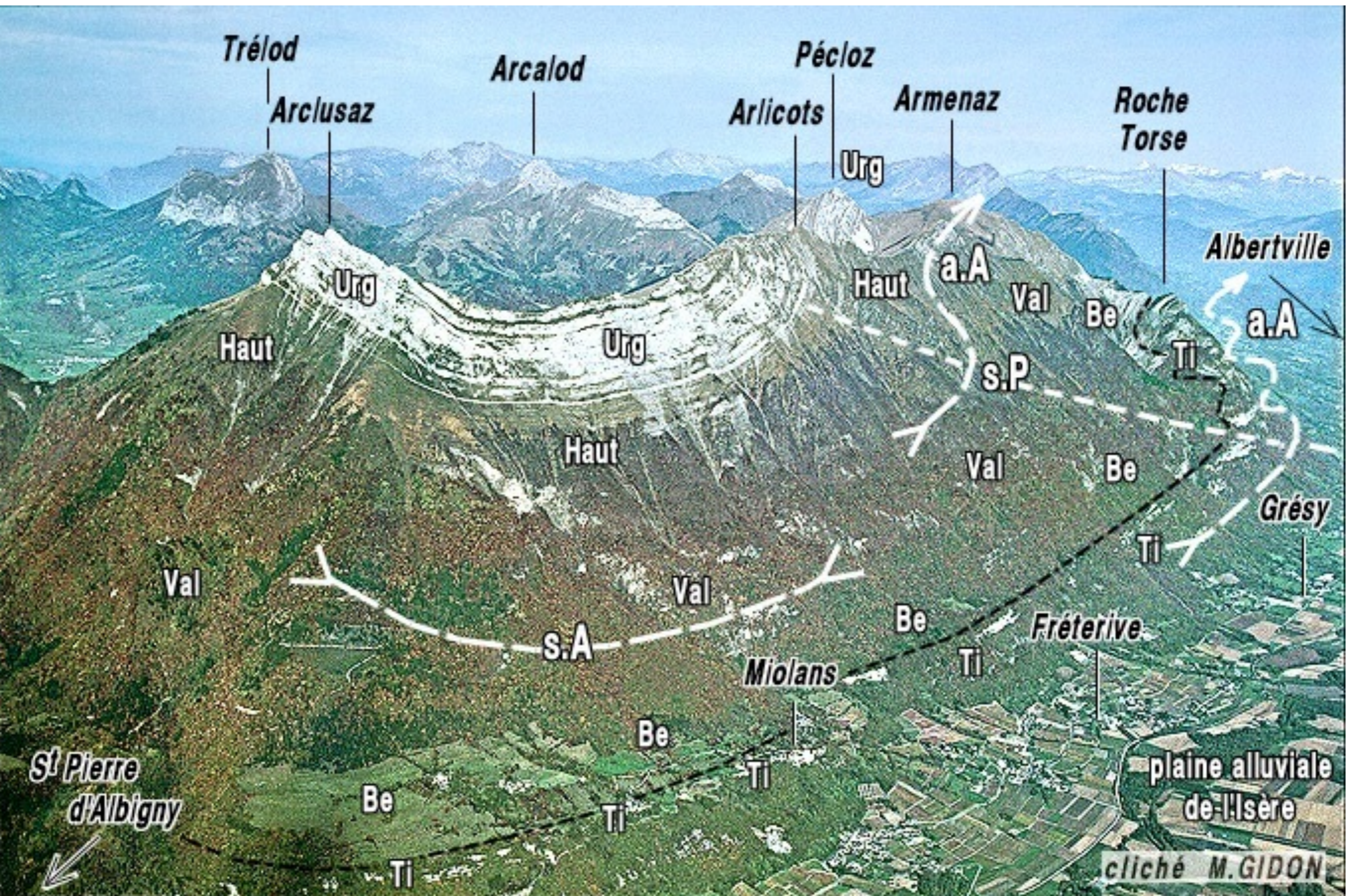
la
Noirier

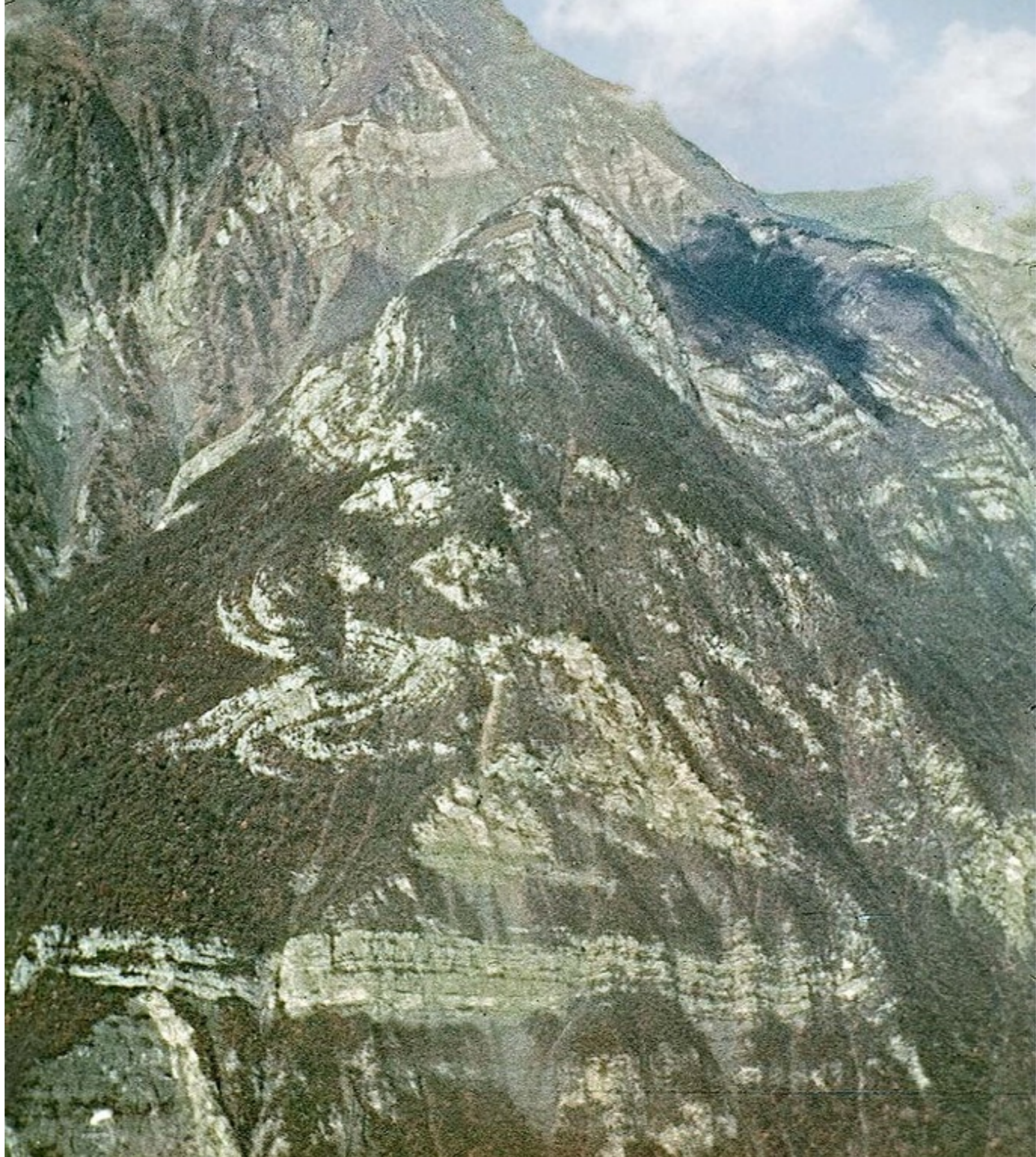
Miolanet

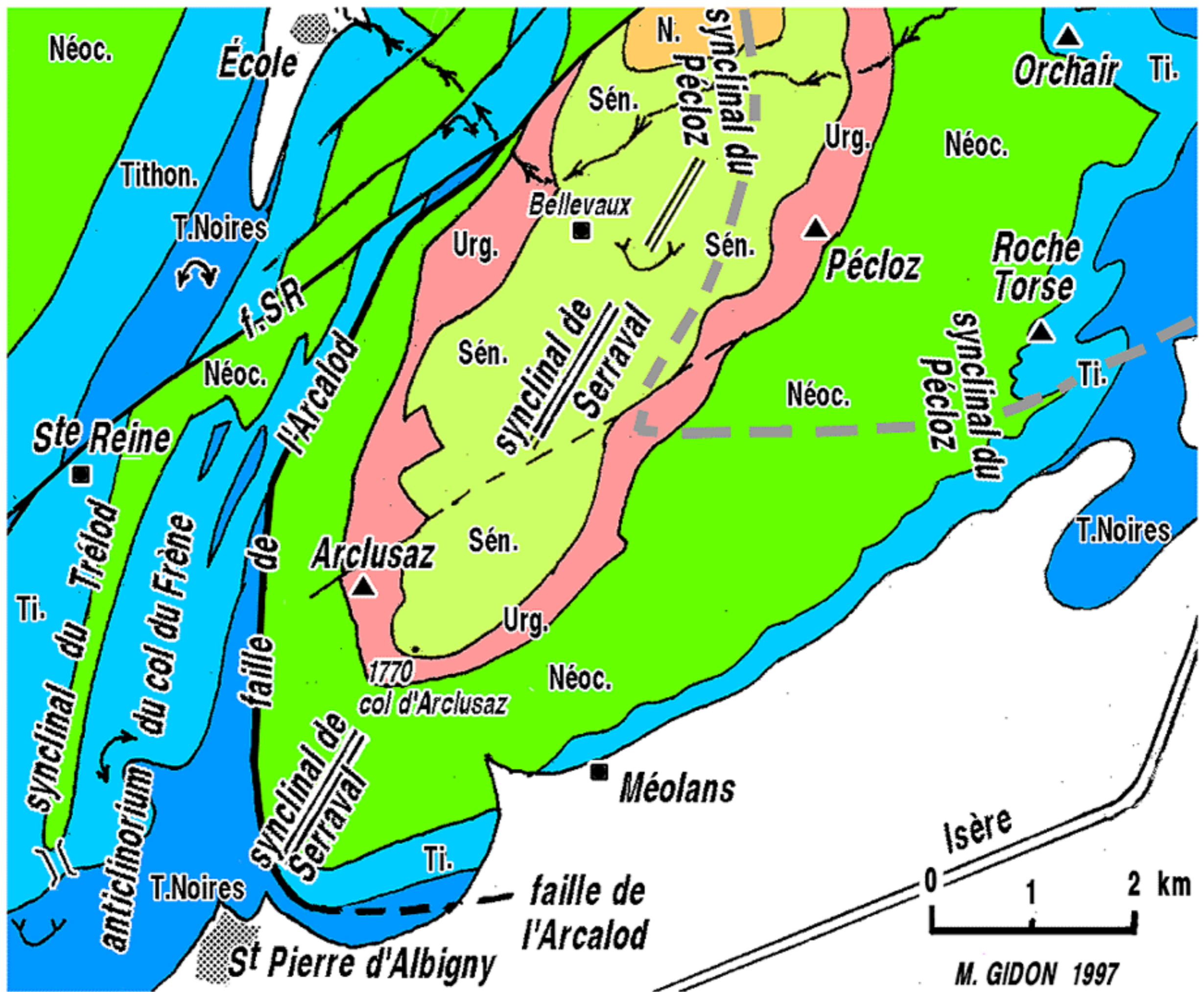
le Plan
5 km

525













pte de Chamosseran

1849

Mt de la Coche

Trélod

Arcalod

pte de Chaurionde

Haut.

Haut.

a.O

Gd Roc

M^t d'Orisan

Haut.

Val

Val

Roc des Tailles

Ti

Arg.

Ti

Be

Arg.

Be

s.Ch

Ti

Ti

a.Orchair

Ti

Roche Torse

Arg.

a.Armenaz

Arg.

Clermont

Gléry

t.N

t.N

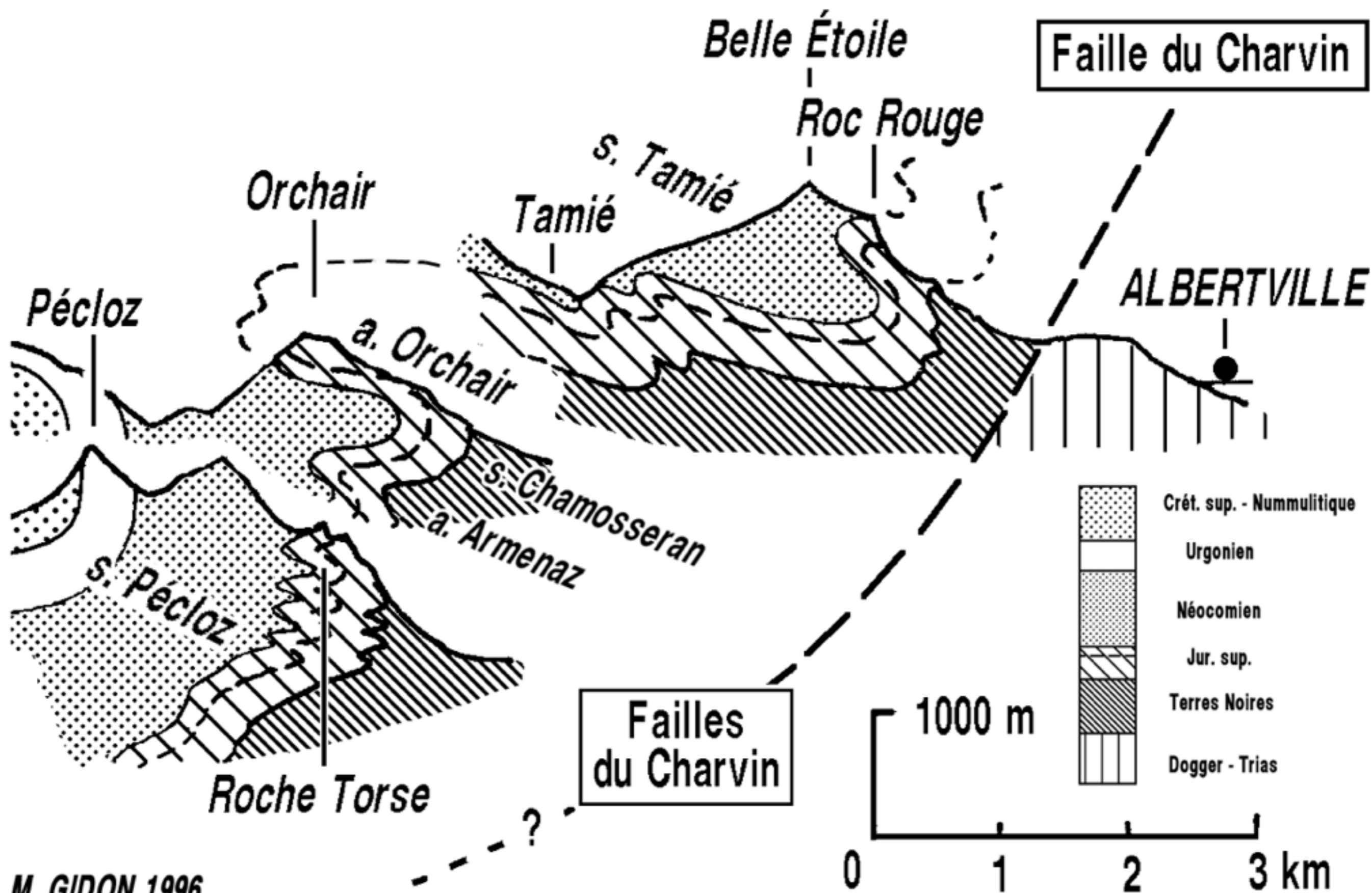
t.N

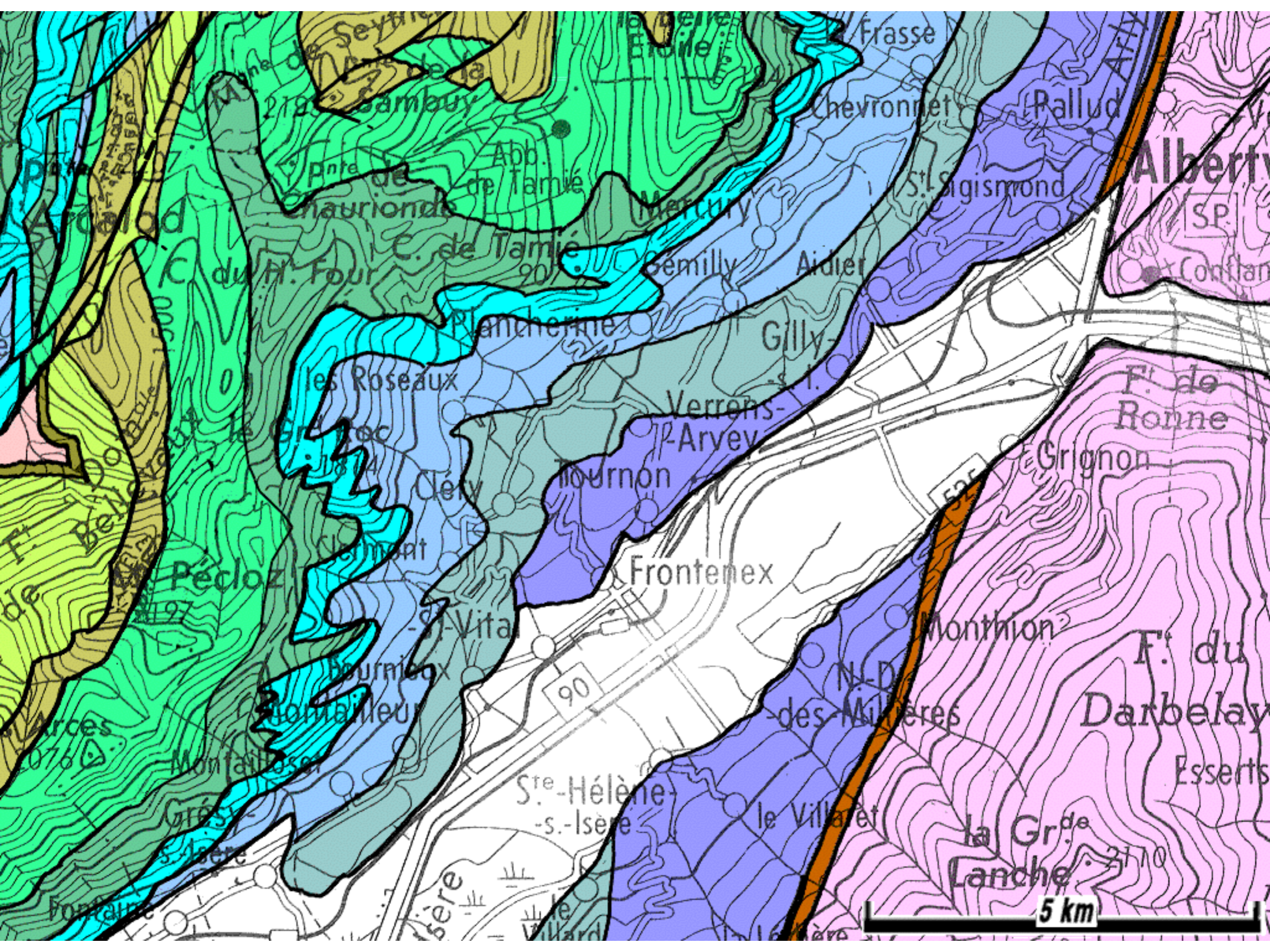
t.N

t.N

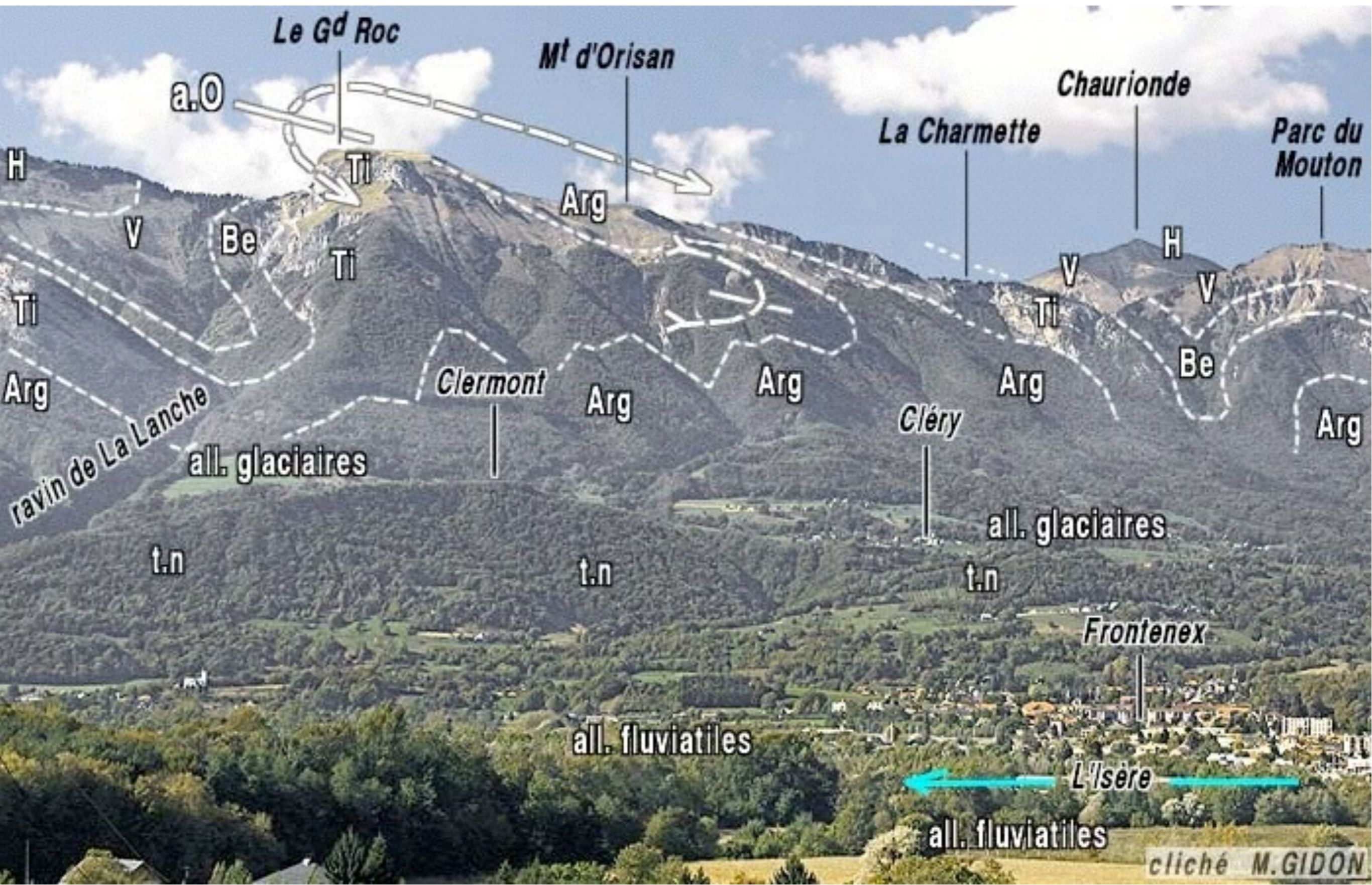
Combe de Savoie

cliché M.GIDON

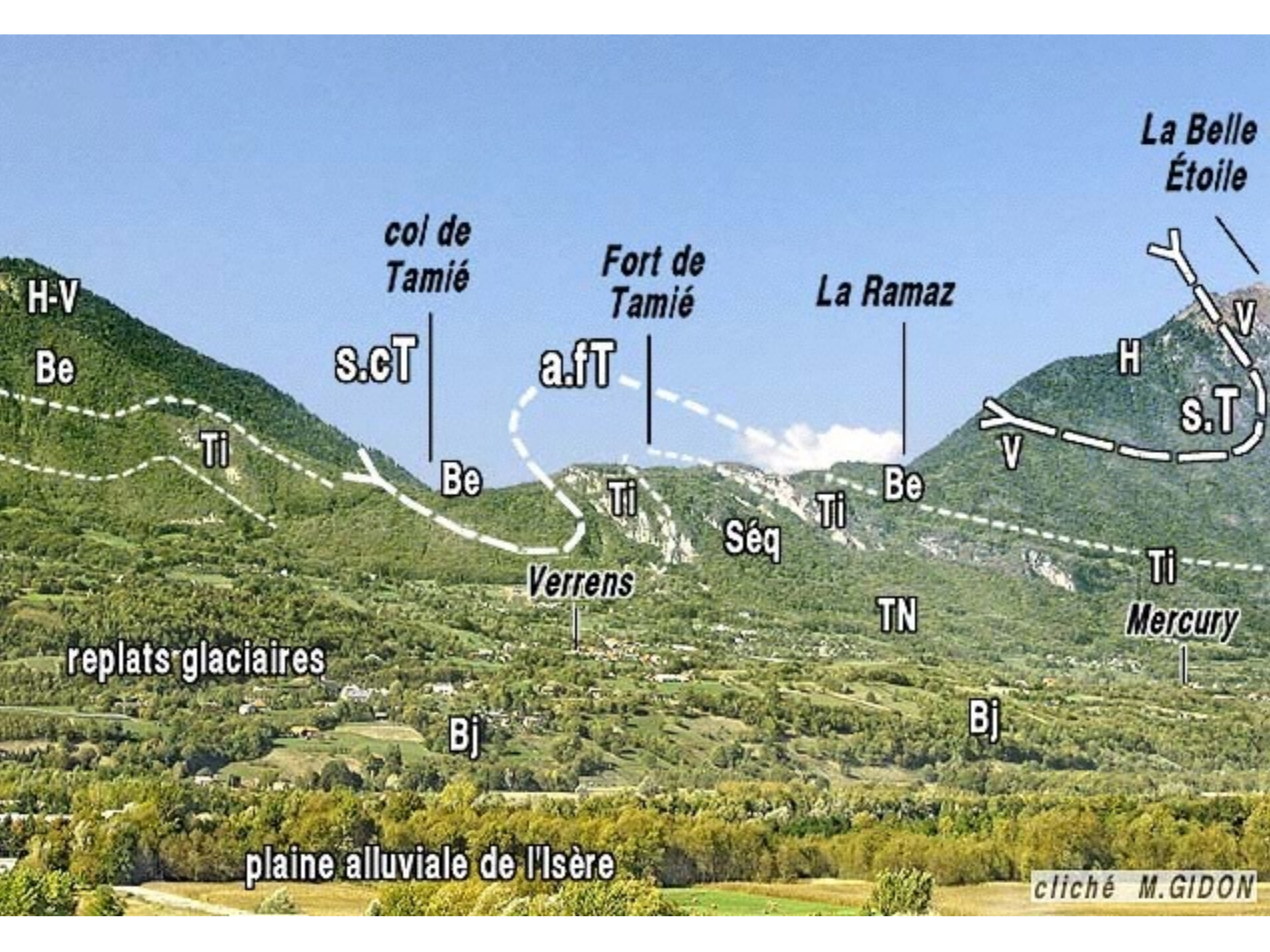












**La Belle
Étoile**

**col de
Tamié**

**Fort de
Tamié**

La Ramaz

H-V

Be

s.cT

a.fT

H

s.T

Ti

Be

Ti

Séq

Ti

Be

Verrens

TN

Ti

Mercury

replats glaciaires

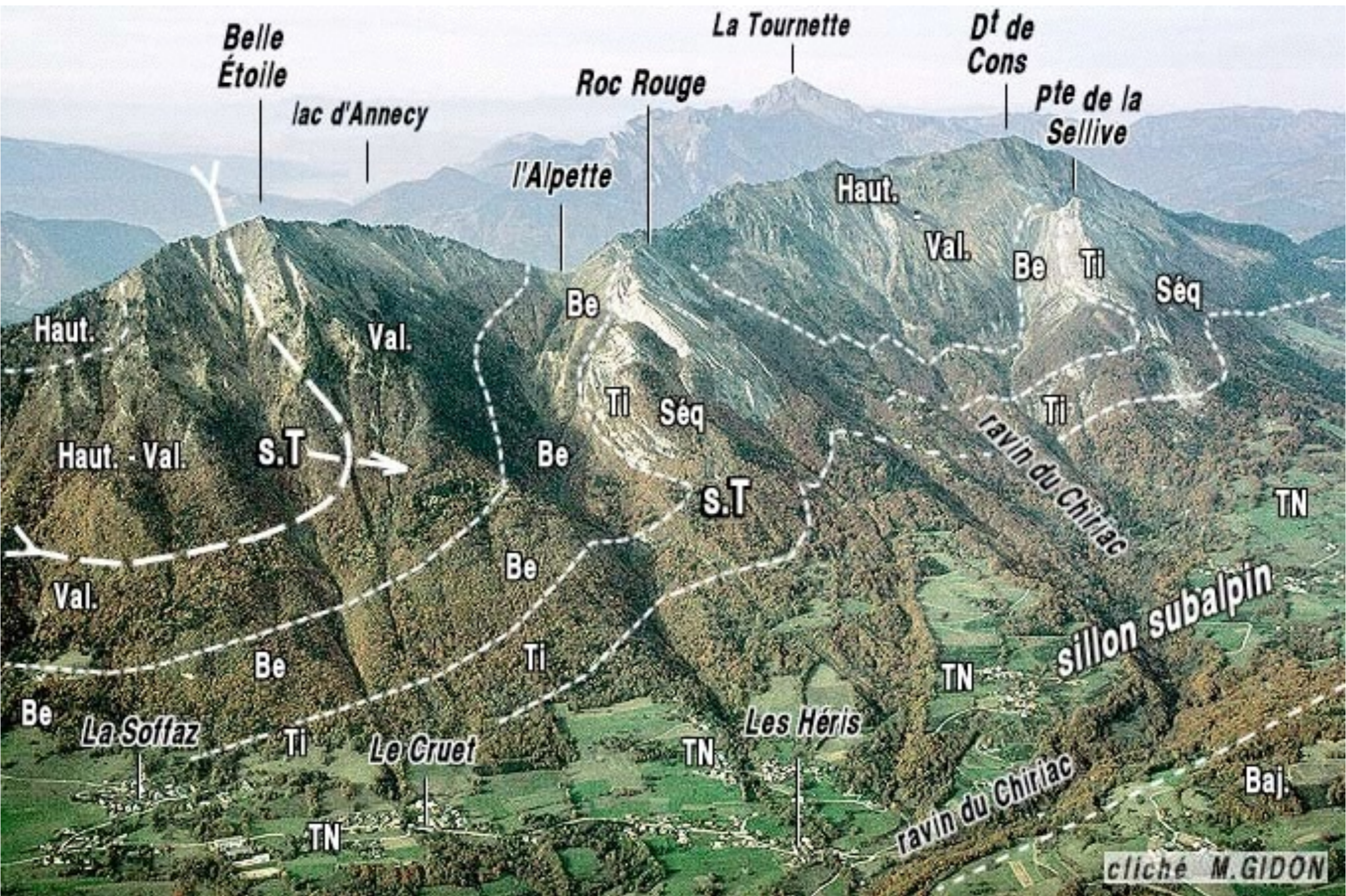
Bj

Bj

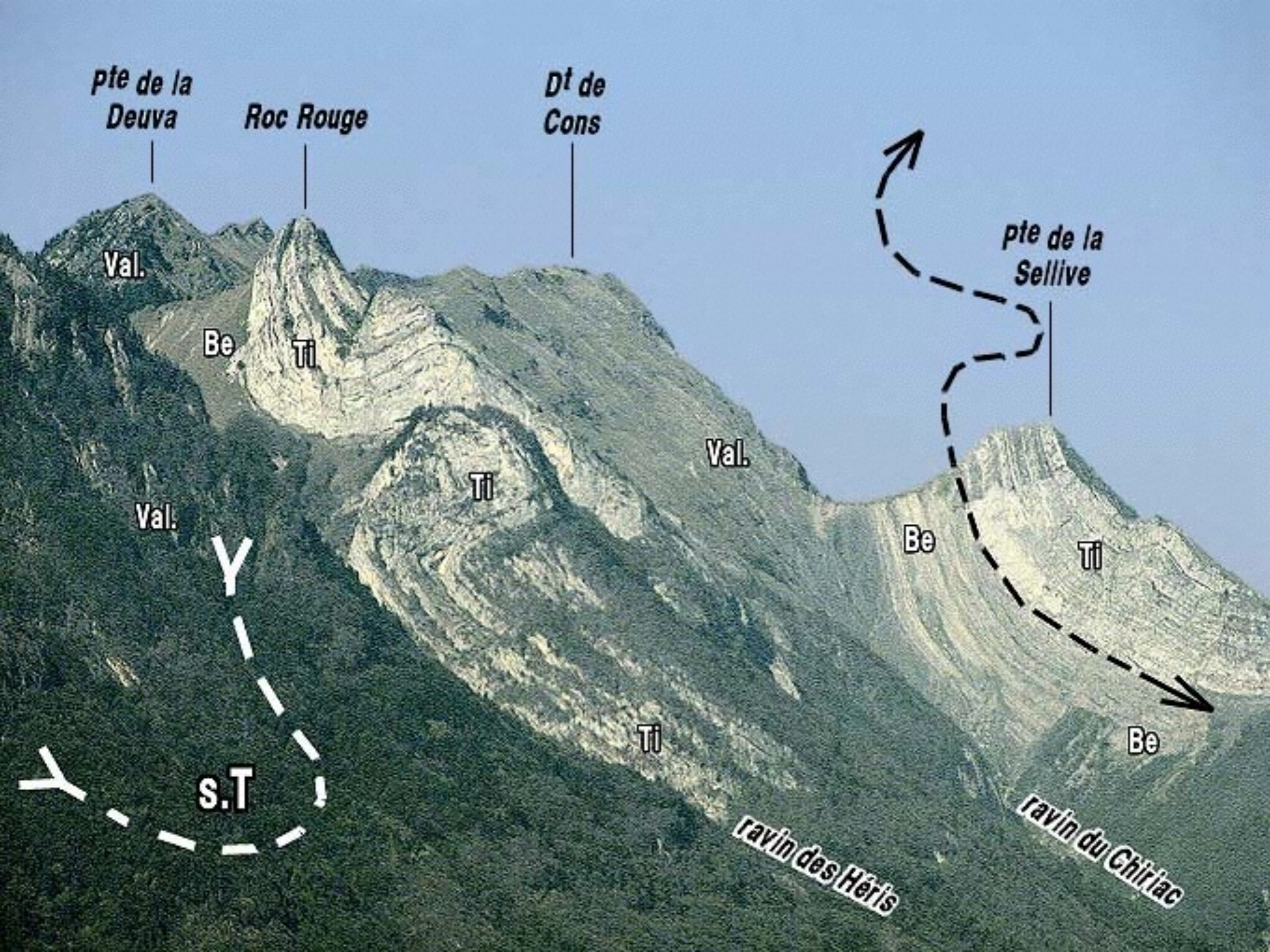
plaine alluviale de l'Isère

cliché M.GIDON









pte de la Deuva

Roc Rouge

Dt de Cons

Val.

Be

Ti

pte de la Sellive

Val.

Ti

Val.

Y

Be

Ti

s.T

Ti

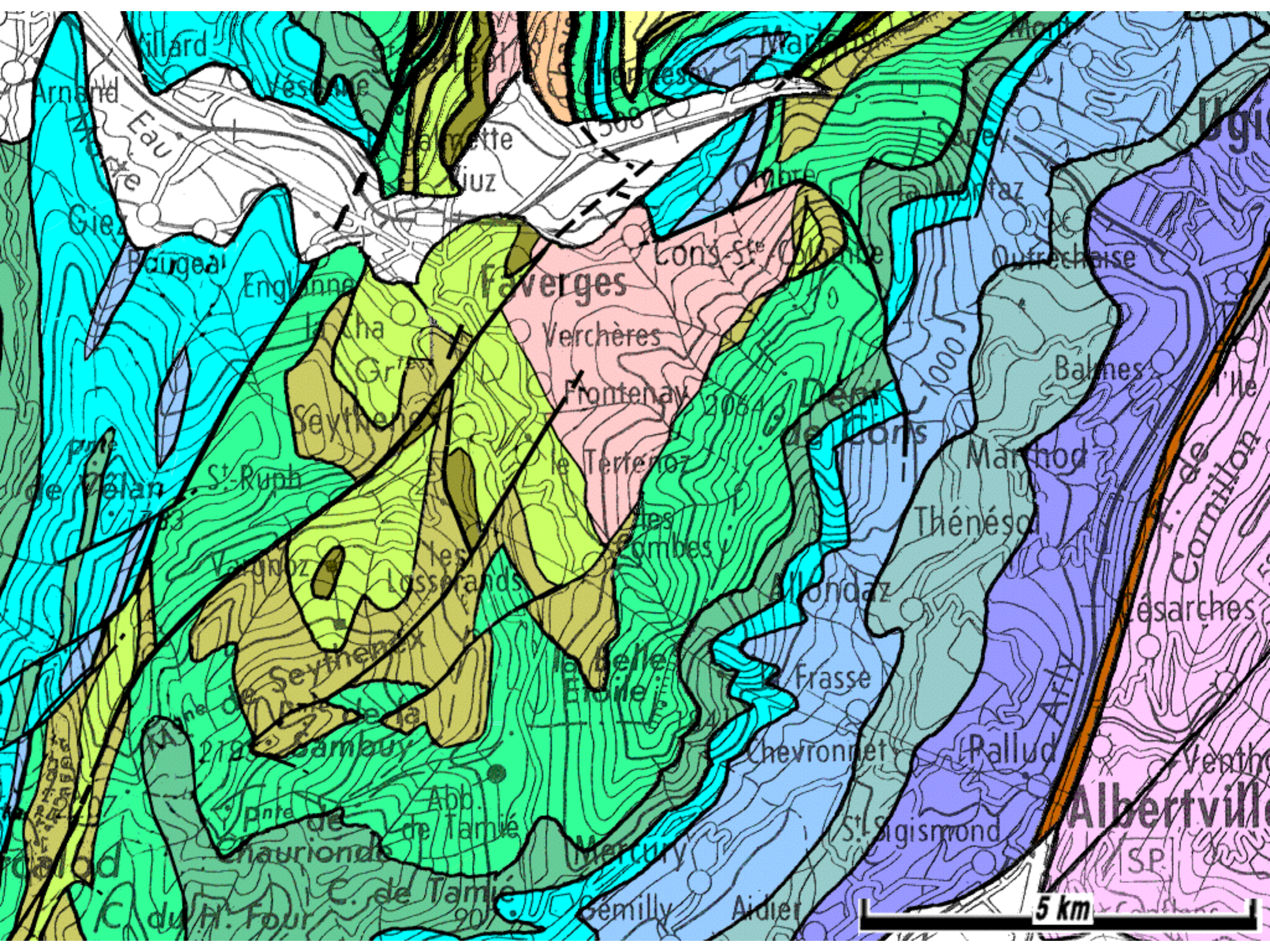
Be

ravin des Hérès

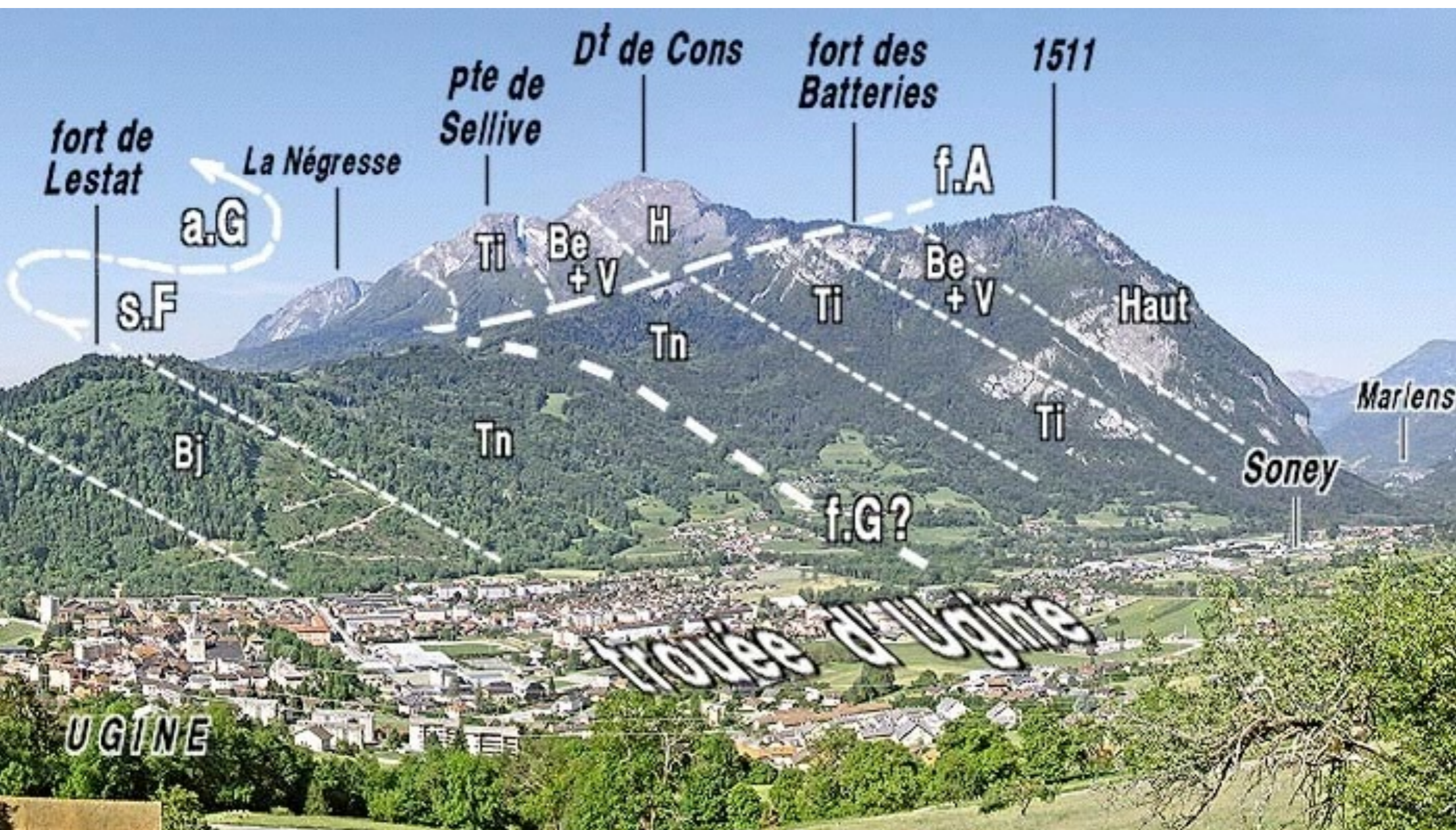
ravin du Chirlac

***Les montagnes de la
rive sud-ouest***

***de la trouée
d'Annecy - Ugine***







fort de Lestat

La Négresse

pte de Sellive

Dt de Cons

fort des Batteries

1511

f.A

Haut

Marlens

Soney

UGINE

trouée d'Ugine

a.G

s.F

Bj

Tn

Ti

Be + V

H

Tn

Ti

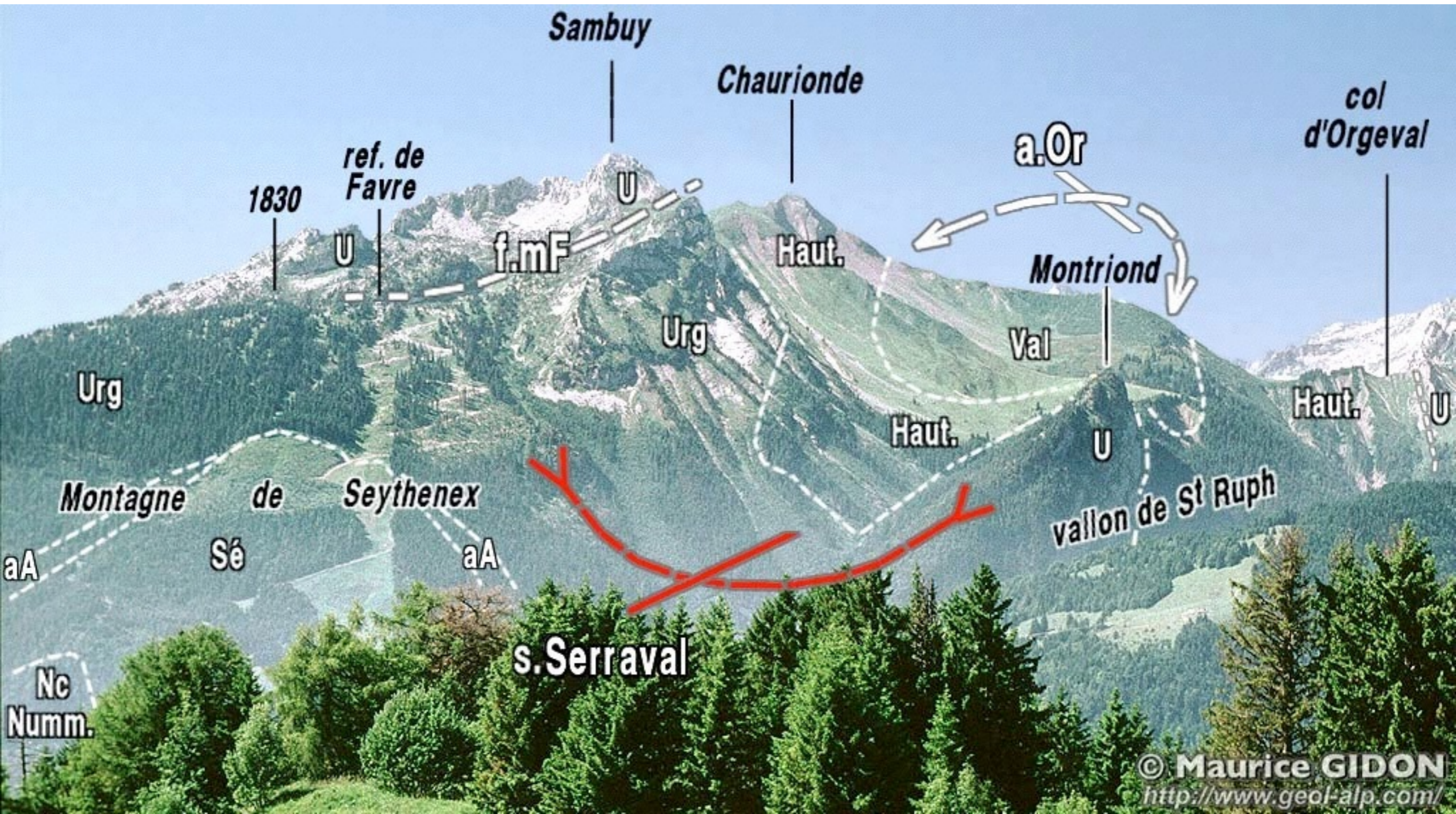
Be + V

Ti

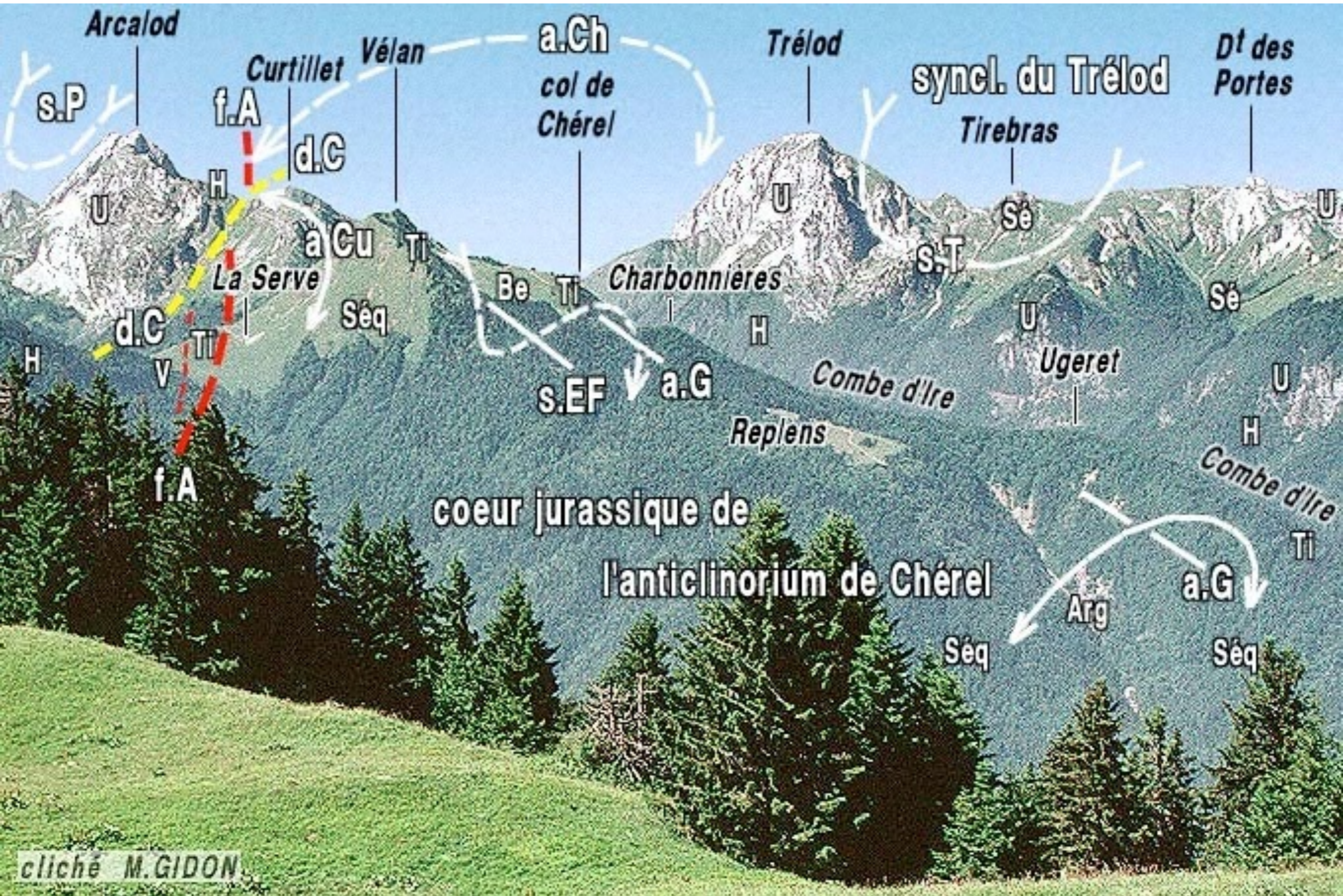
f.G?



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<http://www.geol-alp.com/>

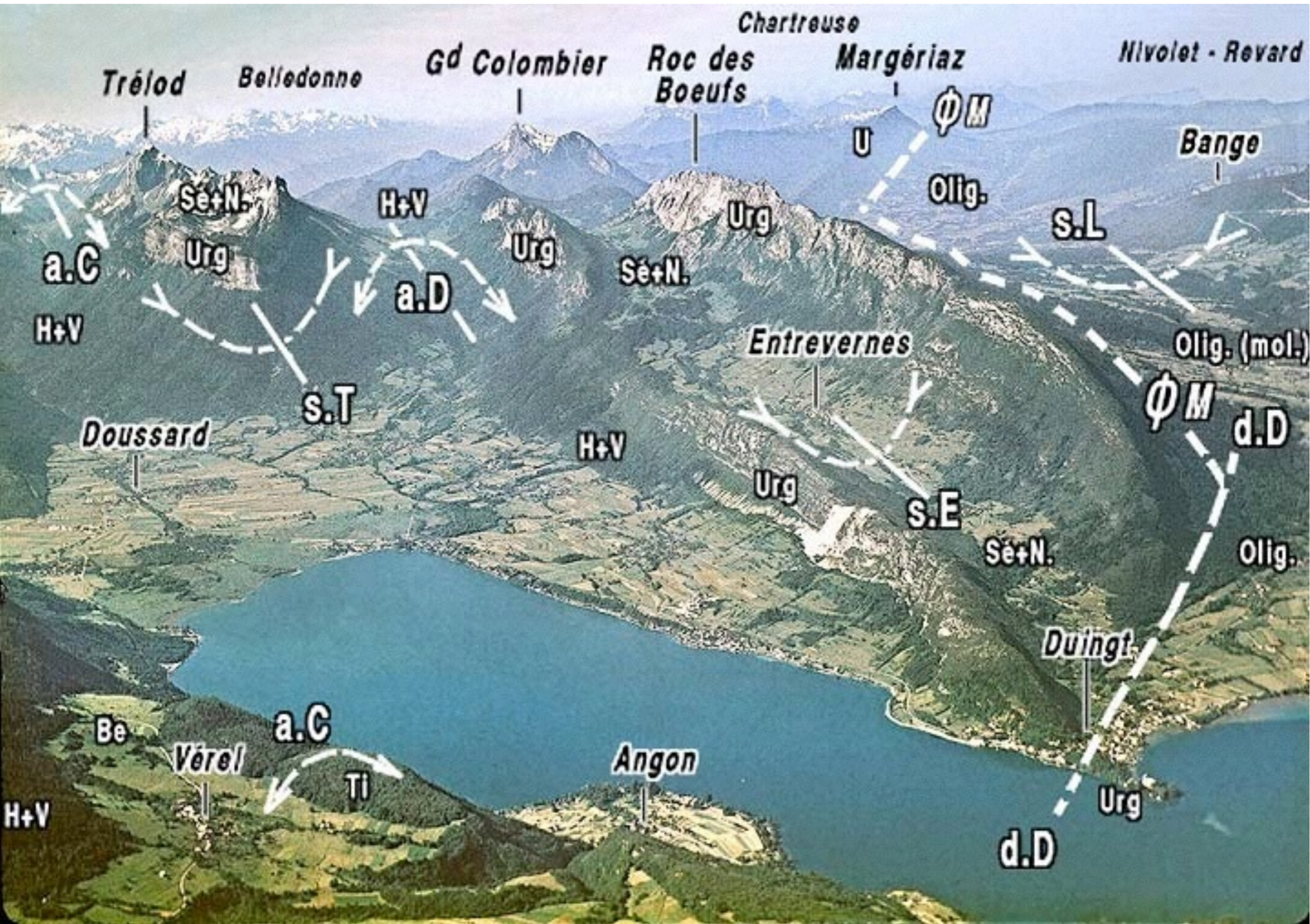






cliché M.GIDON









Jura

SILLON MOLASSIQUE

Annecy

Semnoz

a.S

Urg

Urg

d.D

St Jorioz

molasse

Roc de Chère

ØV

Urg

s.L

Numm.

Duingt

Talloire

Urg

Be

V+H

N

Numm.

S.E

d.D

Ti

a.P

Urg

Urg

Ti

a.P

Be

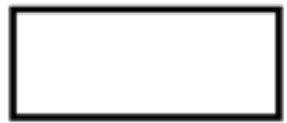
V+H

V+H

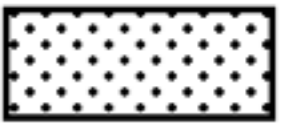
col de l'Aulp

cliché M.GIDON

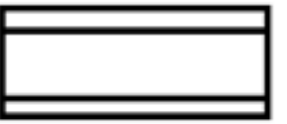
ANNECY



Quaternaire à Sénonien



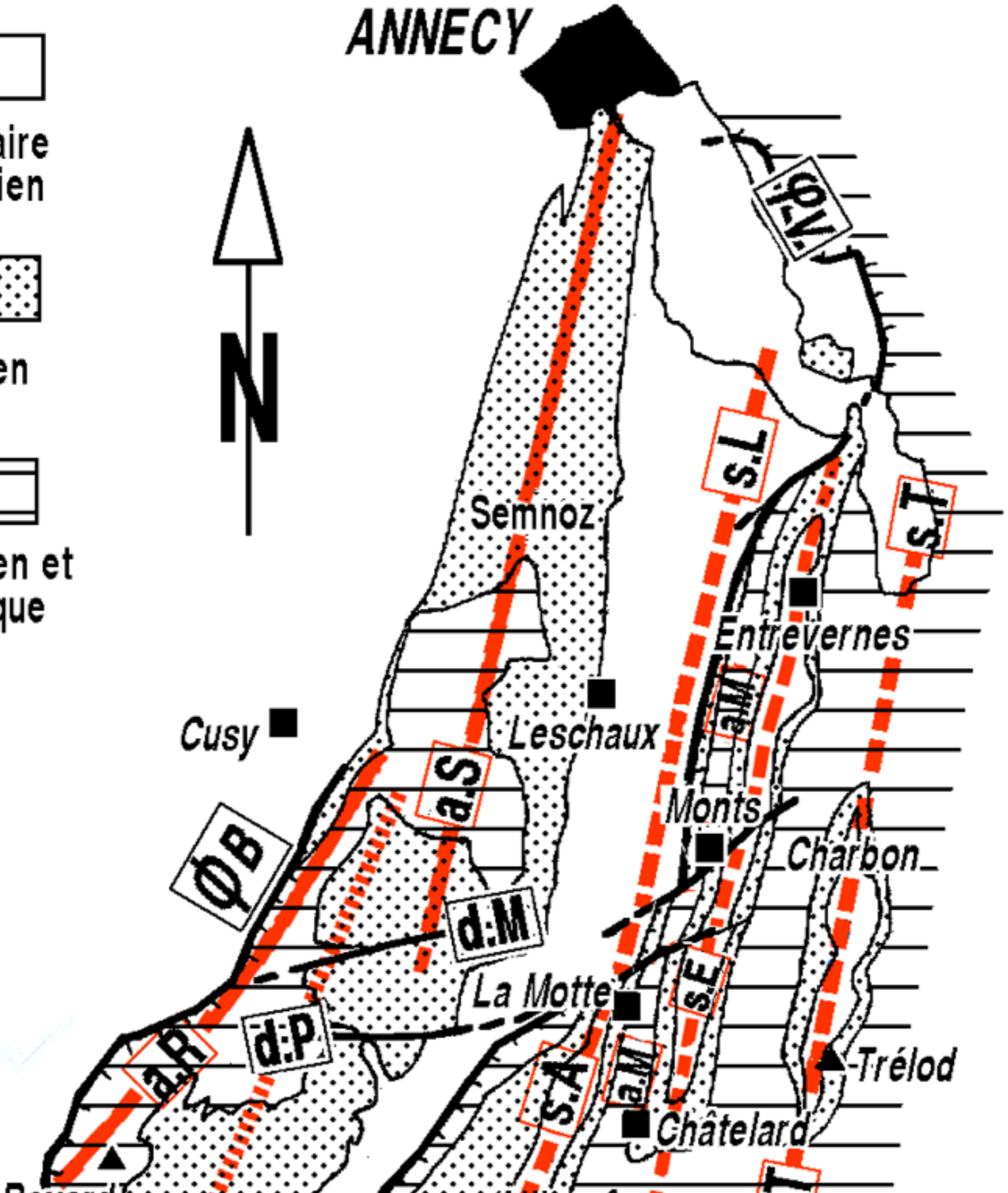
Urgonien



Néocomien et Jurassique



AIX







massif des Bornes

Annecy

Mt Veyrier

Dts de Lanfon

La Tournette

Roc des Boeufs

ØF St Jorioz

Entrevernes

Mgne du Charbon

mol. rouge olig.

Le Sollier

Urg.

col de la Frasse

Crêt du Char

Doussard

Urg.

ØM

a.M

N Nfl N-Sé

Urg.

d.M

col de Bornette

Haut.

Urg.

Haut.

s.E

H

Val

Val

Val

N-Sé

Mont Derrière

U

Urg.

a.D

Ol.

Mont Devant

N-Sé

H

d.M

Nfl

N-Sé

Val

ØM

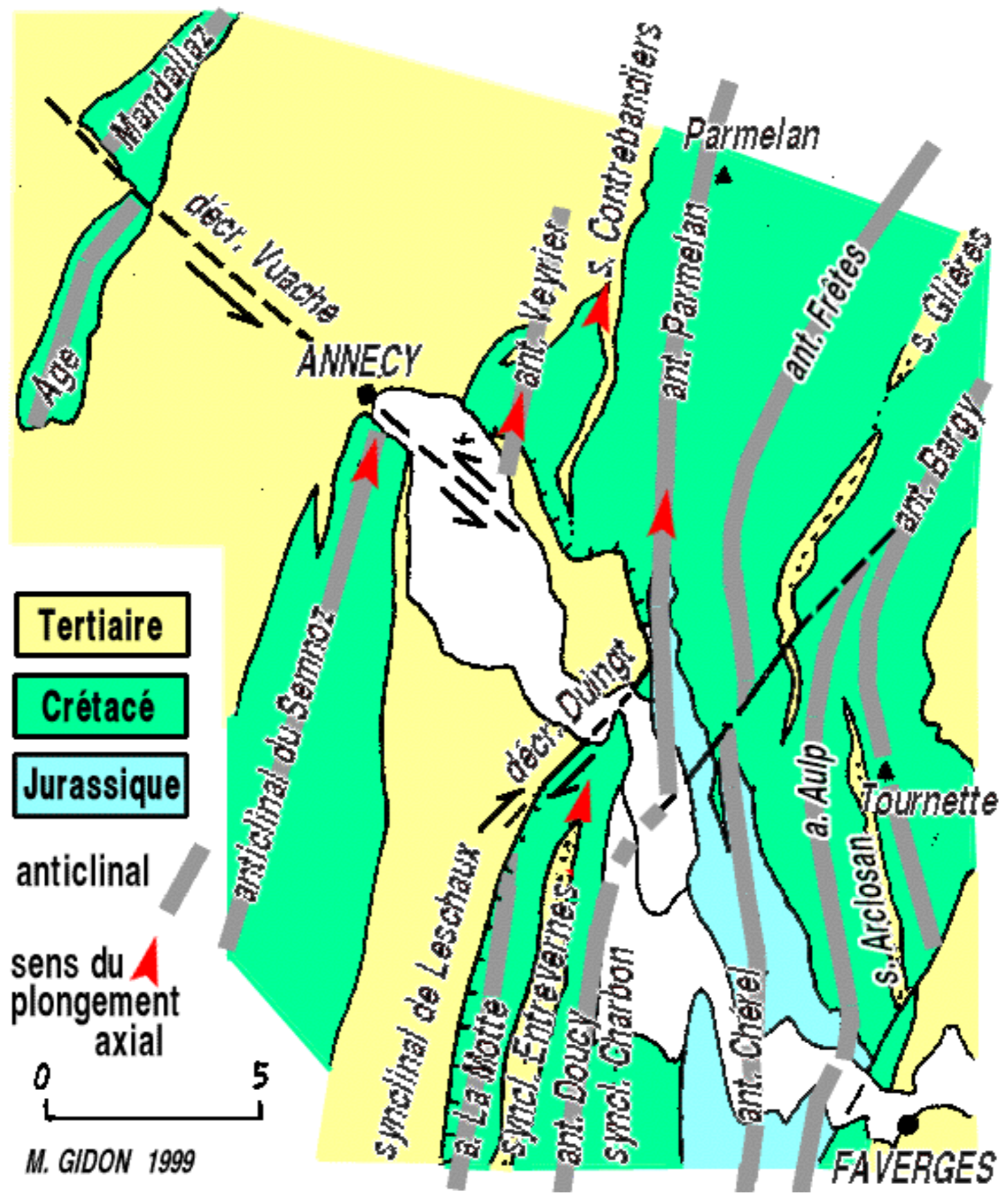
U

s.E

Haut.

Nfl

cliché M.GIDON







cliché M. GIDON

Récapitulatif

Plio-Quaternaire :

- 7- derniers chevauchements et décrochements (**Ch^t frontal des Bauges, déct de Ste Reine**)
aplanissement des reliefs les plus occidentaux (**Nivolet-Revard**), avant l'érosion différentielle du Quaternaire

Miocène terminal - Pliocène (?) :

- 6- soulèvement de Belledonne et formation du synclinal de Serraval
les plis les + orientaux basculent vers le nord-ouest (**plis couchés du Pécloz et d'Orisan**)
- 5- Extension N-NW - S-SE : **faille d'Arcalod** (peu oblique aux plis)
- 4- chevauchements (et décrochements) (**ch^t du Margéraz, ébauche du ch^t frontal des Bauges**)
- 3- Plissement d'axe N-S = (?) réactivation et accentuation de plis anté-miocènes
- 2- début du cisaillement tangentiel de la couverture : failles inverses précoces (**déformation de la faille du Céty**)

Miocène : la transgression marine | n'atteint pas les Bauges
avance vers l'est

Oligocène : la transgression | n'atteint pas les Bauges occidentales

Éocène : | débute à l'Éocène sup. et avance vers l'ouest

- 1- failles N-S d'extension (**faille du Céty**), émergence et érosion karstique dans les Bauges occidentales

Crétacé supérieur et inférieur :

Talus de la plateforme jurassienne dans les Bauges occidentales ,
faciès plus marneux, subalpins, dans les Bauges orientales

FIN ...

merci de votre patience !

