



Le suivi du couvert végétal des forêts gabonaises par télédétection

FORMATION EN TELEDETECTION : APPLICATIONS

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U O B
UNIVERSITE OMAR BONGO



LAGRAC
LABORATOIRE DE GRAPHIQUE
ET DE CARTOGRAPHIE



UNIVERSITY OF TWENTE

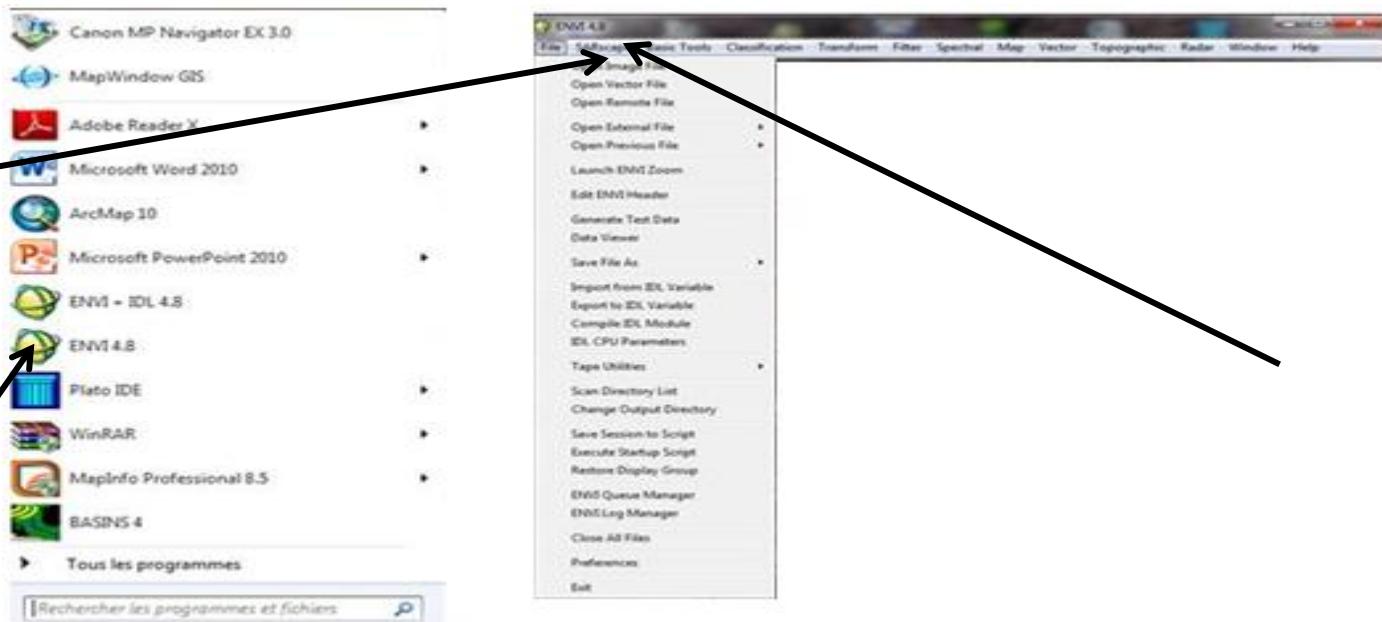


IRD
Institut de recherche
pour le développement



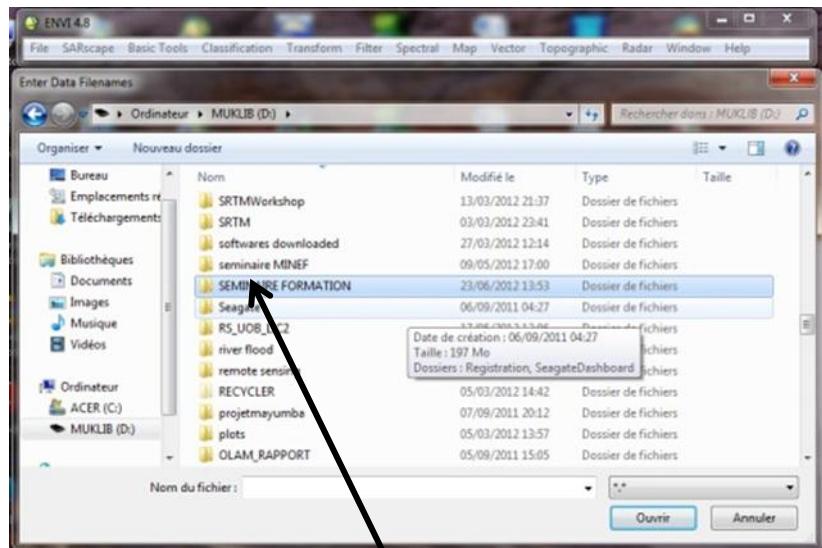
Calcul des Isodata et K-means

Menu ENVI
sélectionner
File

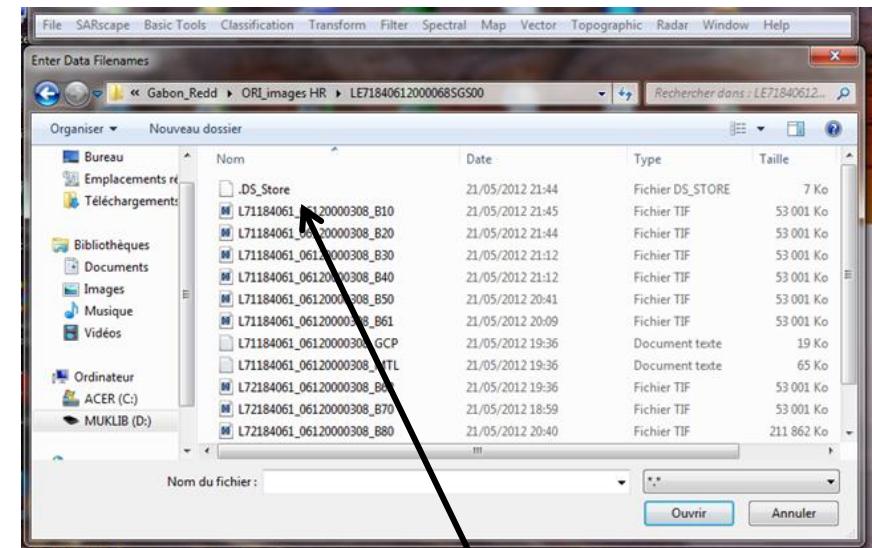


Appuyez sur
Démarrer
sélectionner
ENVI

u ENVI
tionner
image file

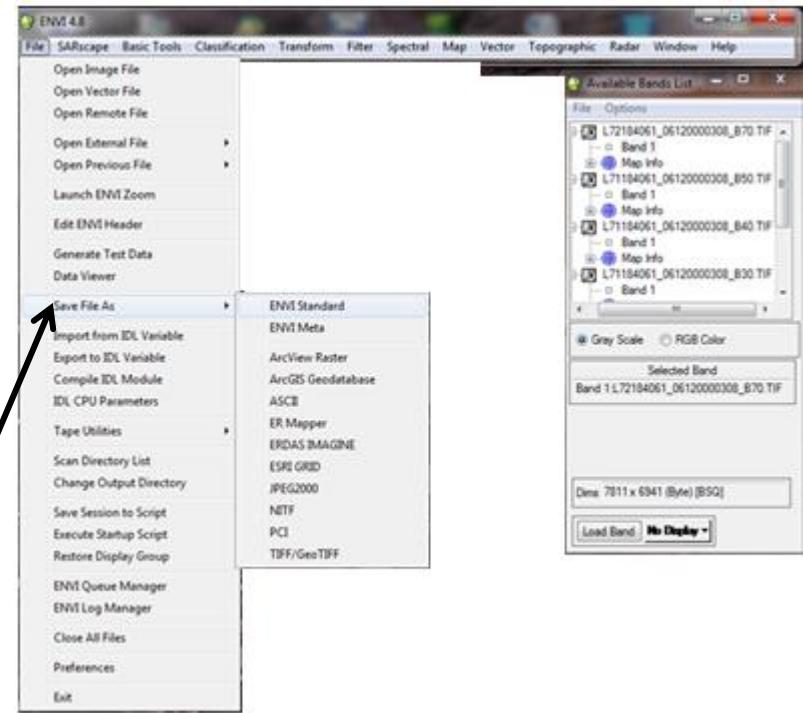
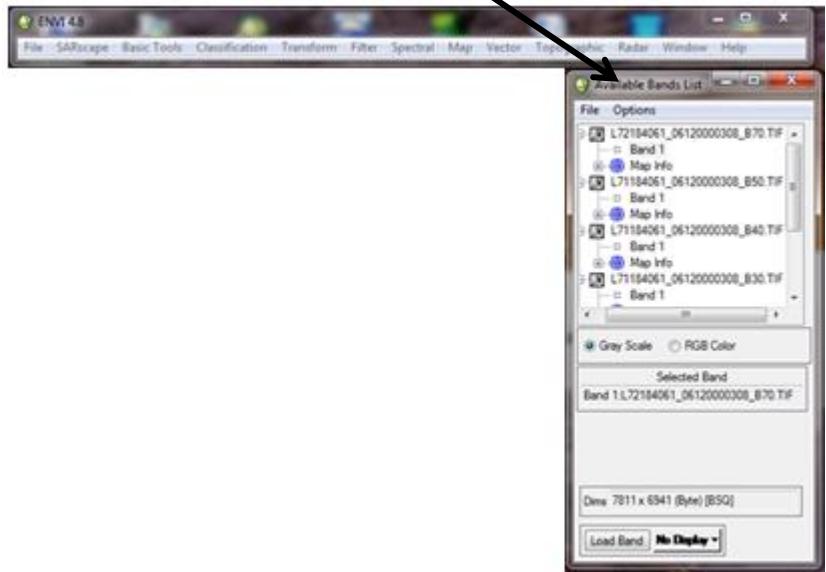


Ouvrir le dossier

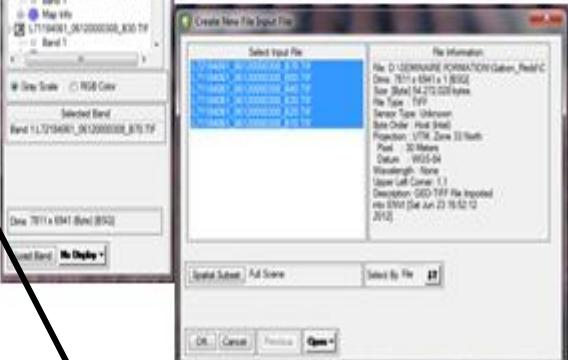
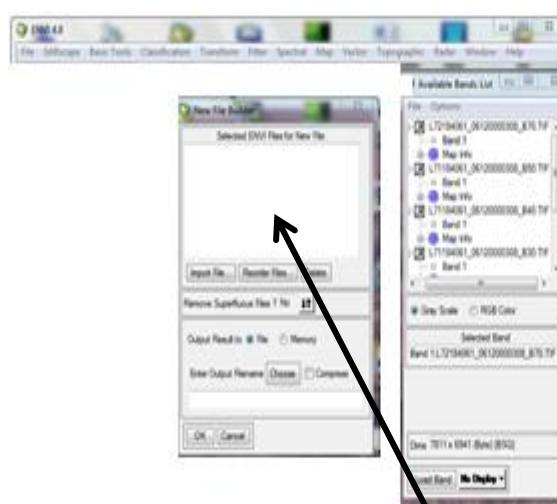
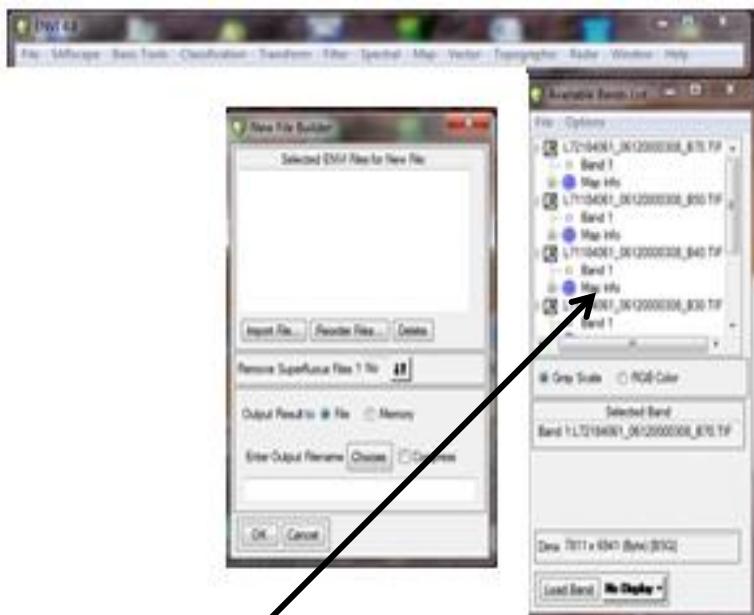


Sélectionner les bandes(1-5 et 7)

Ouvrir les bandes et les voir en Available Band List

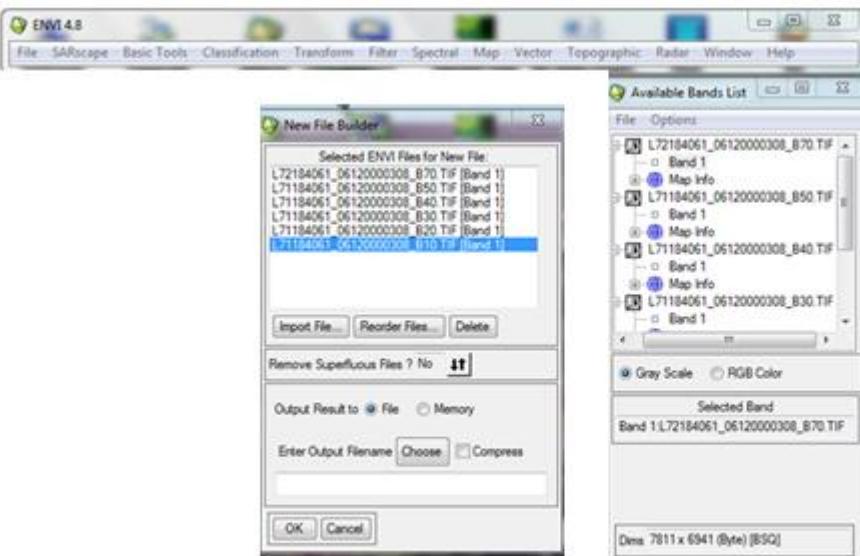


Sélectionner file puis save as envi standard

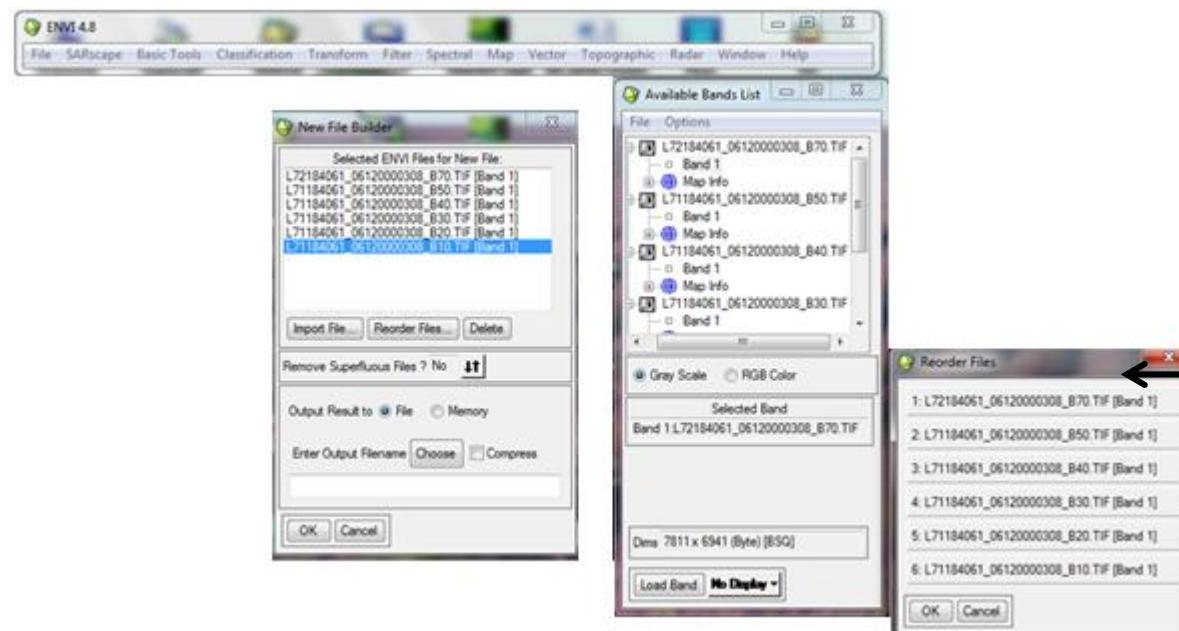


Sélectionner les bandes

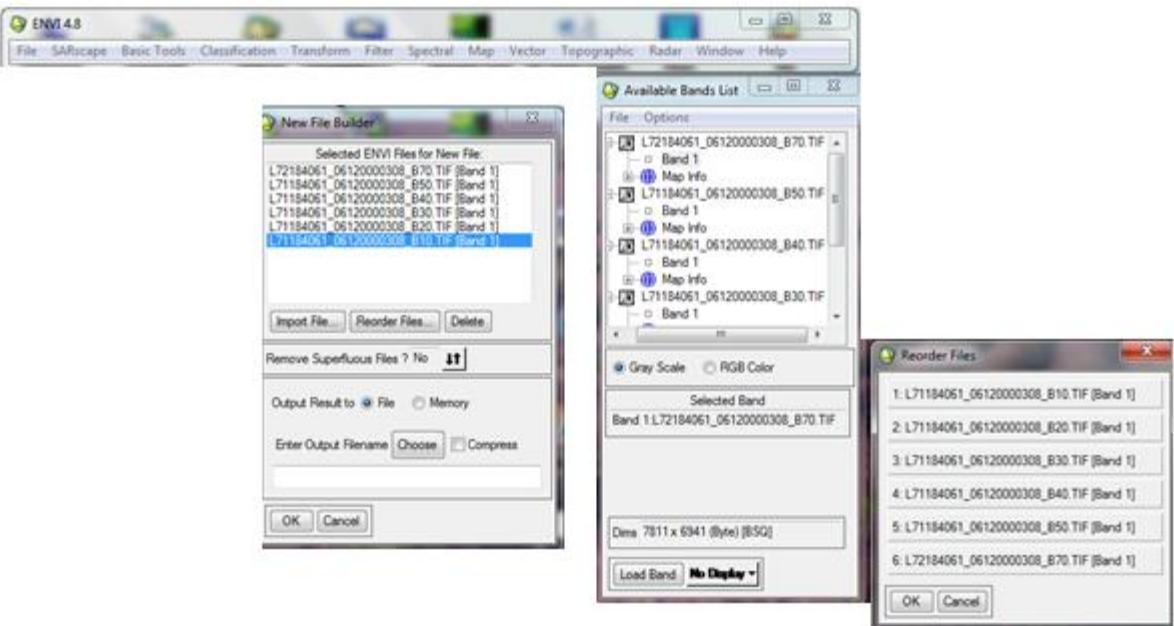
grouper les bandes



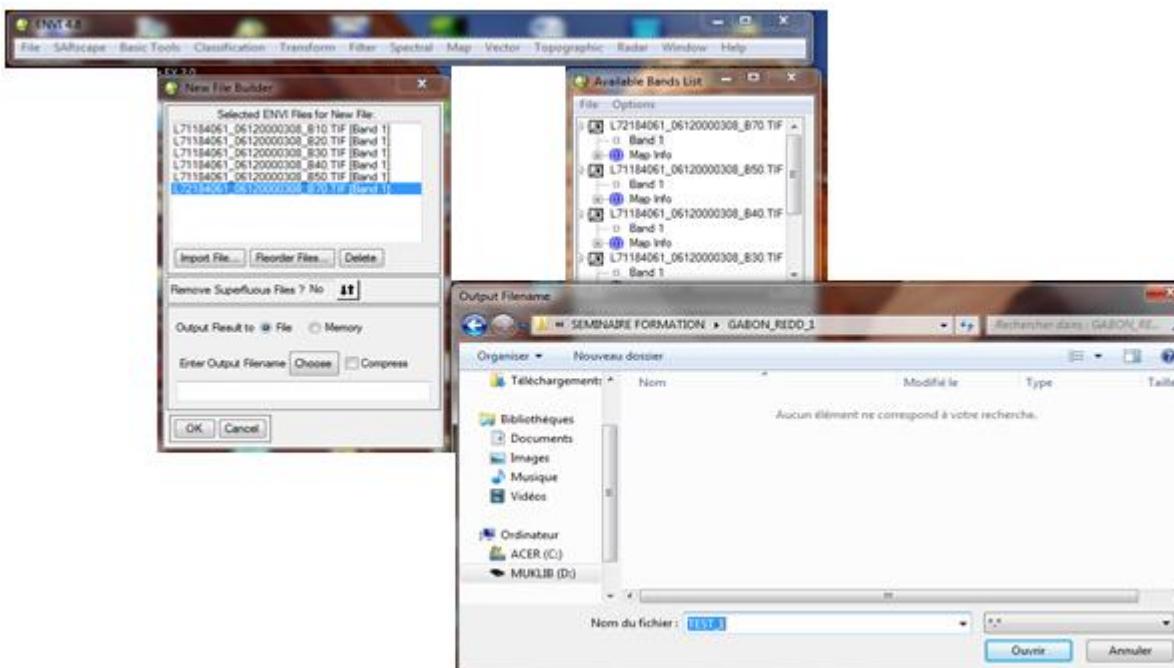
← Ordonner les bandes



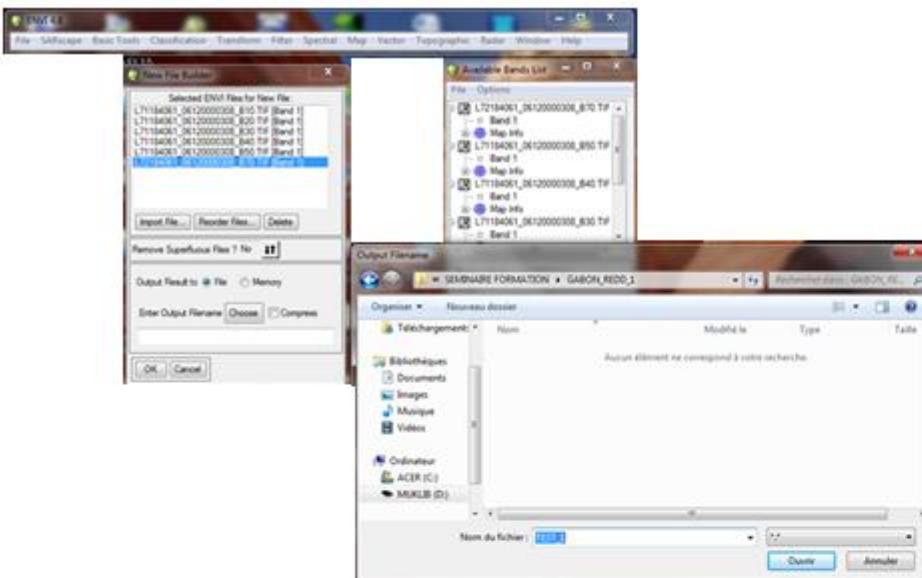
← Ordonner les bandes et
Sauvegarder les dans un dossier



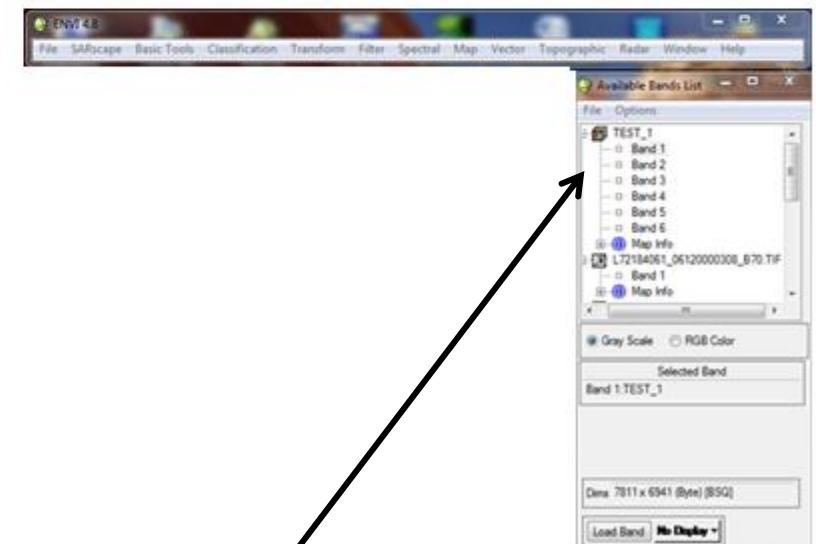
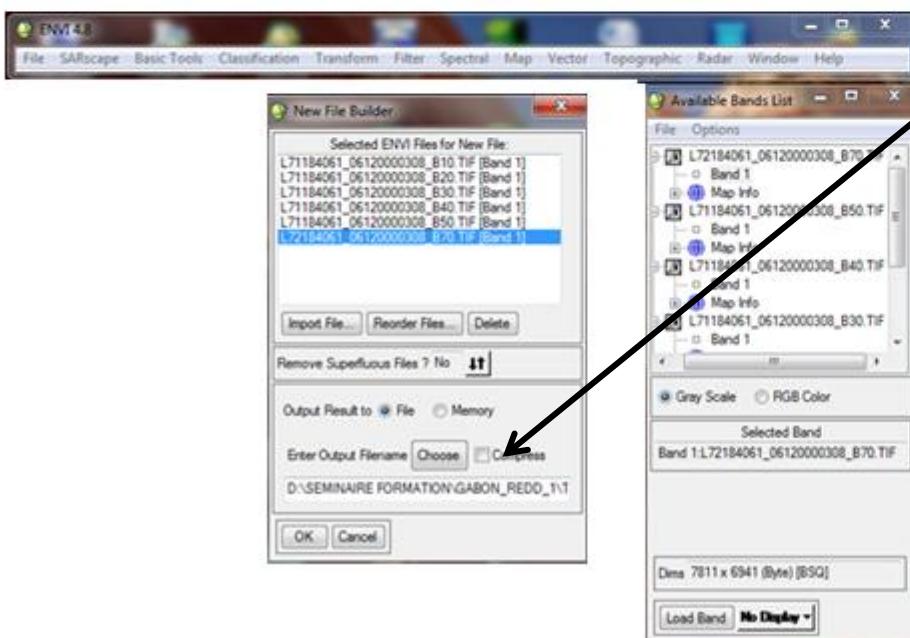
Ordonner les bandes et
Sauvegarder les dans un dossier



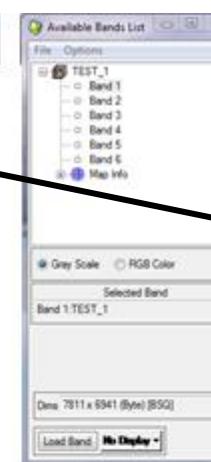
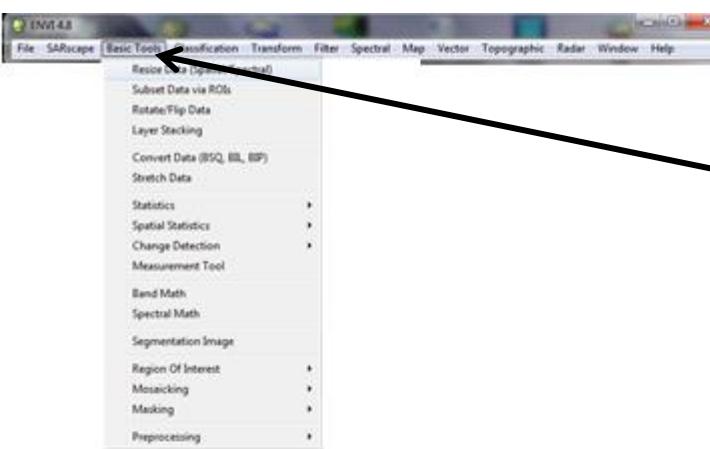
Sauvegarder les données



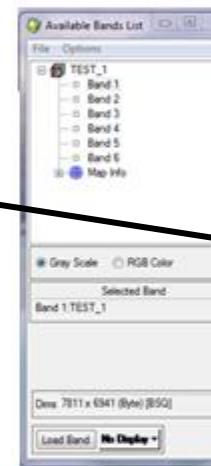
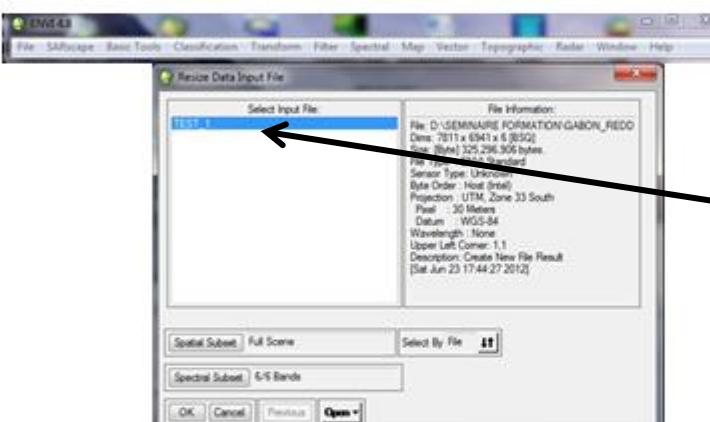
Enregistrement bande par bande



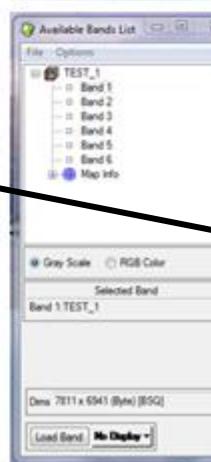
Liste de la pile de bandes



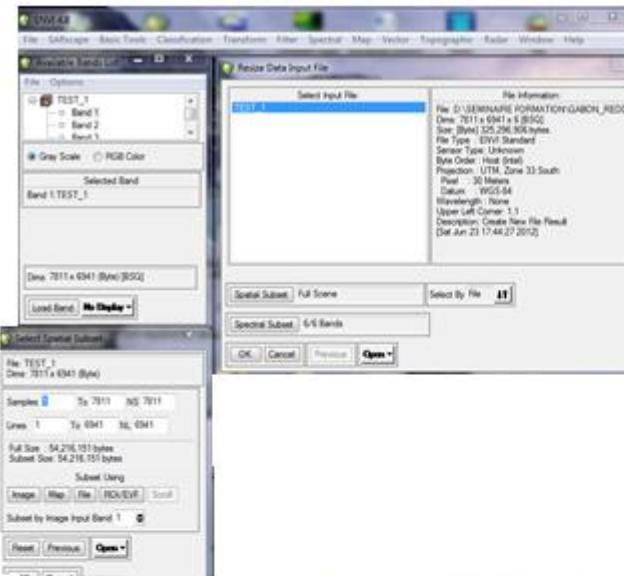
Delimiter la zone d'étude
Avec basic tools puis resize data



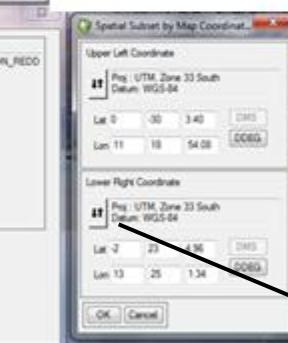
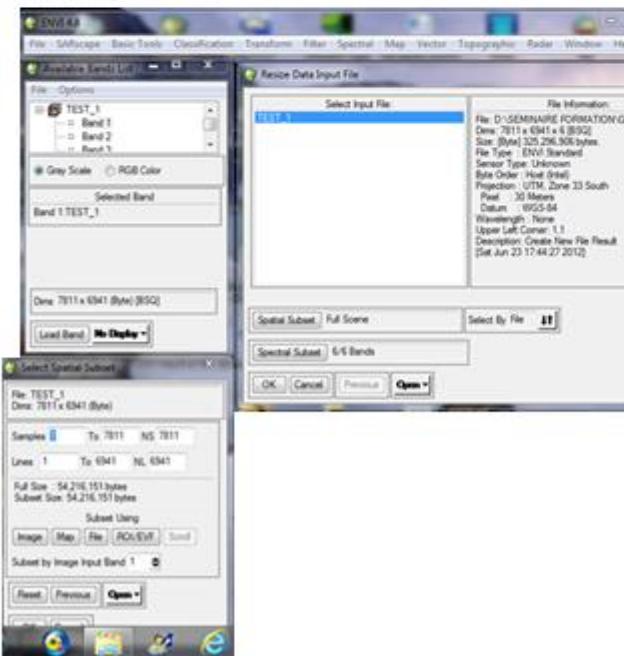
Delimiter la zone d'étude
Avec basic tools puis resize data



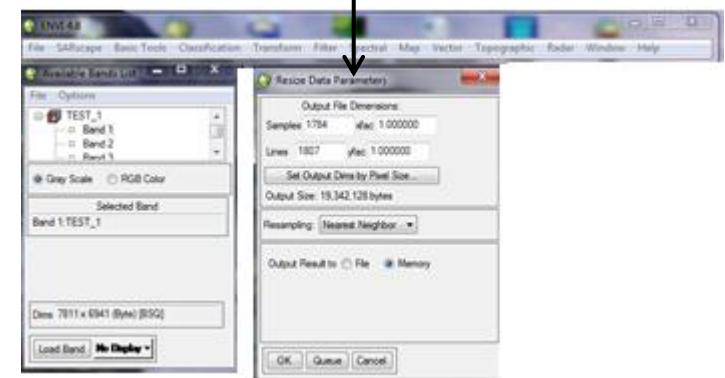
Dimensions de la zone délimiter



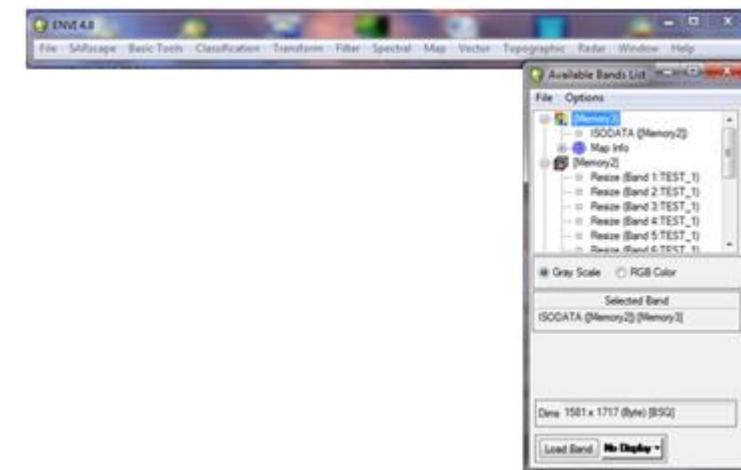
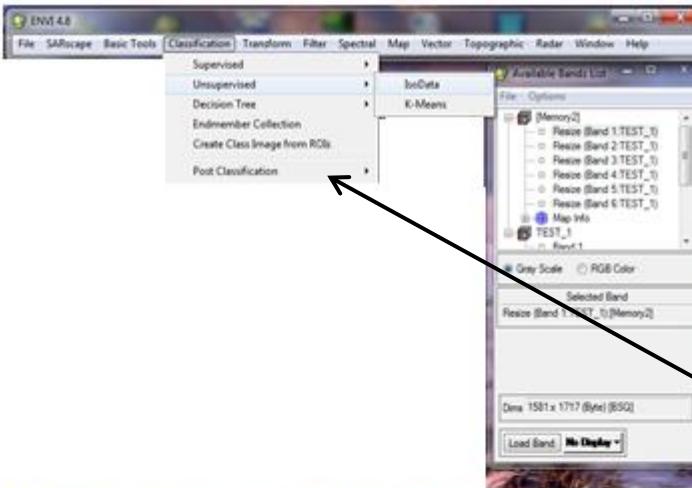
Delimiter la zone d'étude par image



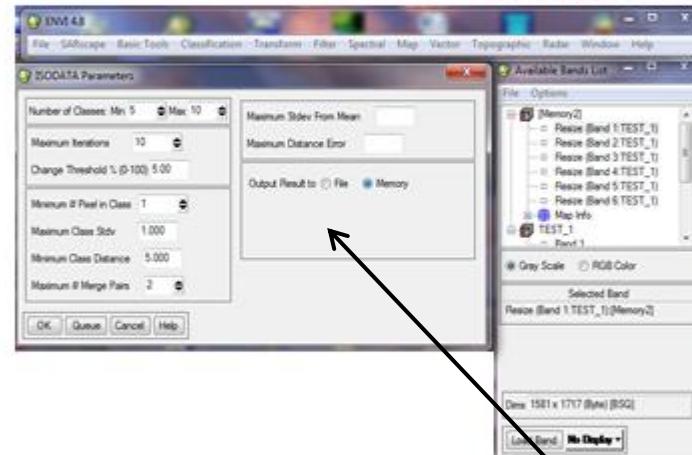
Dimension de la zone à étudier



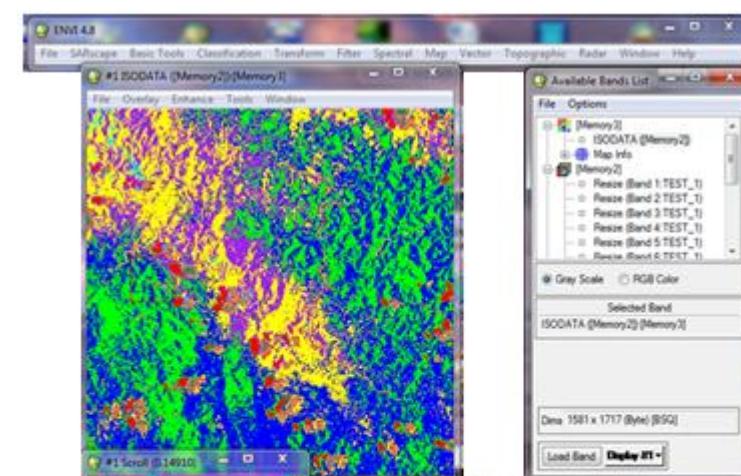
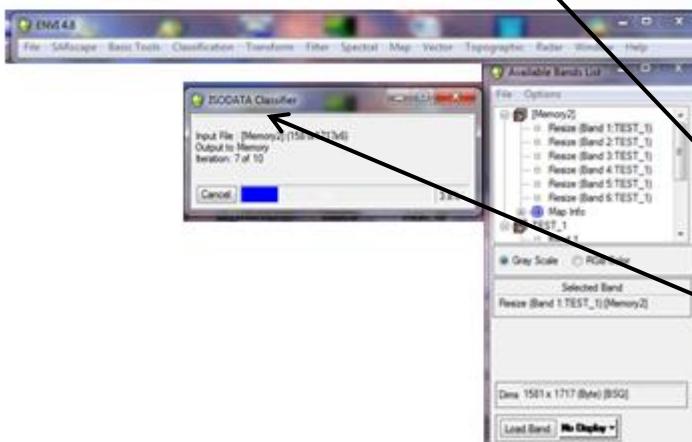
► Délimiter la zone d'étude par les coordonnées géographiques



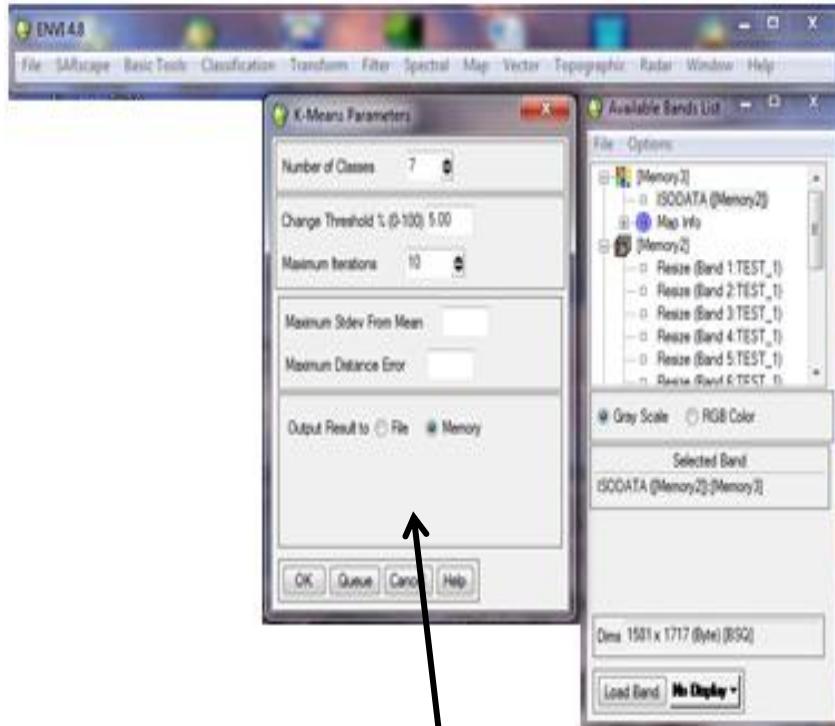
Classification par IsoData



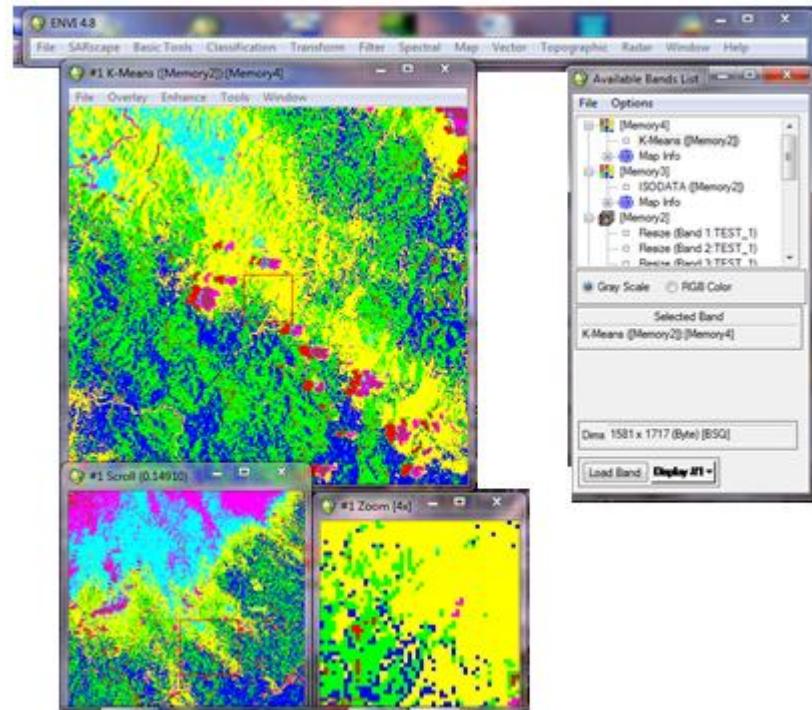
Résultats de IsoData



Paramètres et itérations



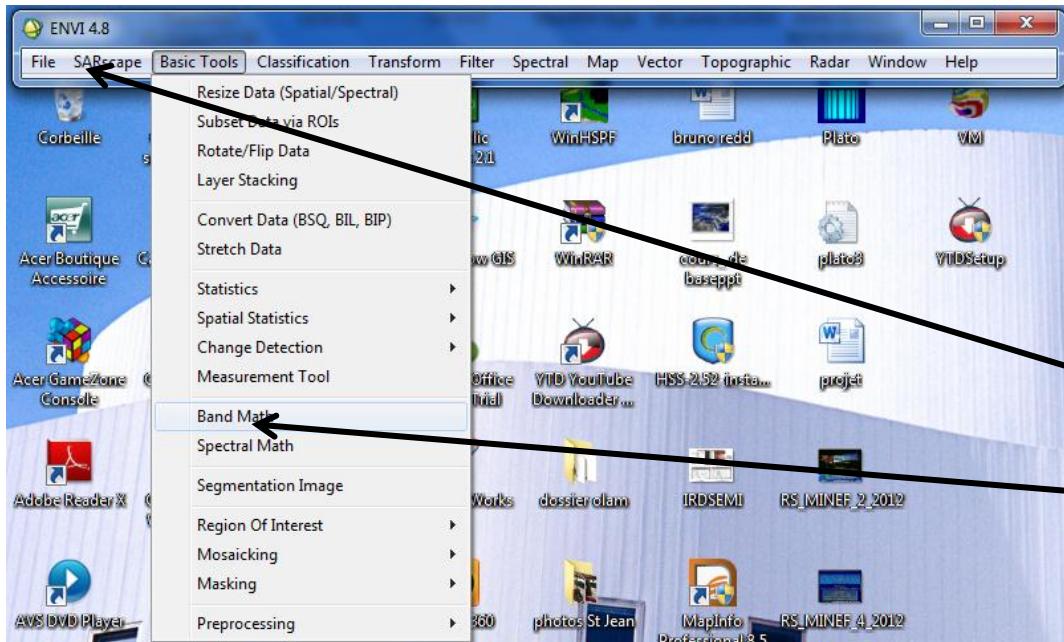
Paramètres et iterations



Résultats de K_means

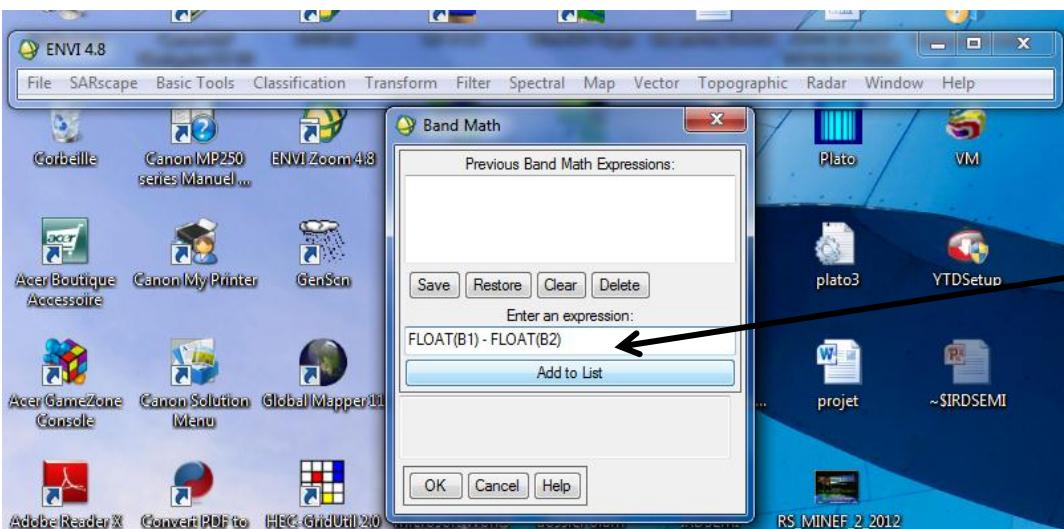
Calcul des indices de végétation

Cas NDVI



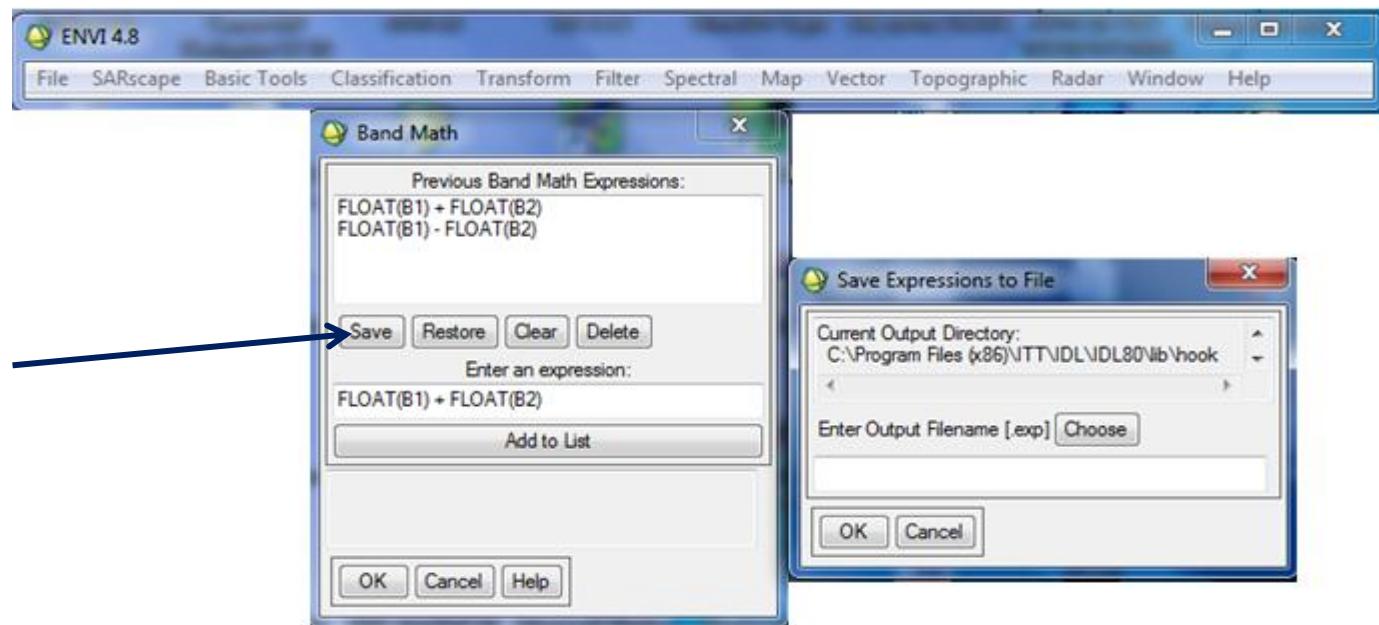
Basic tools

Band Math

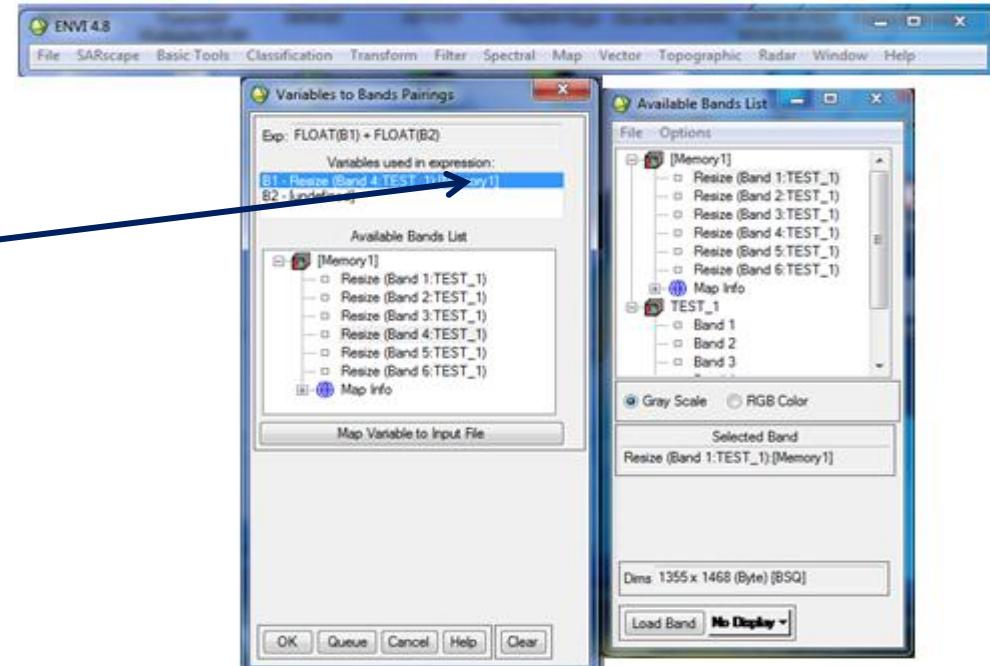


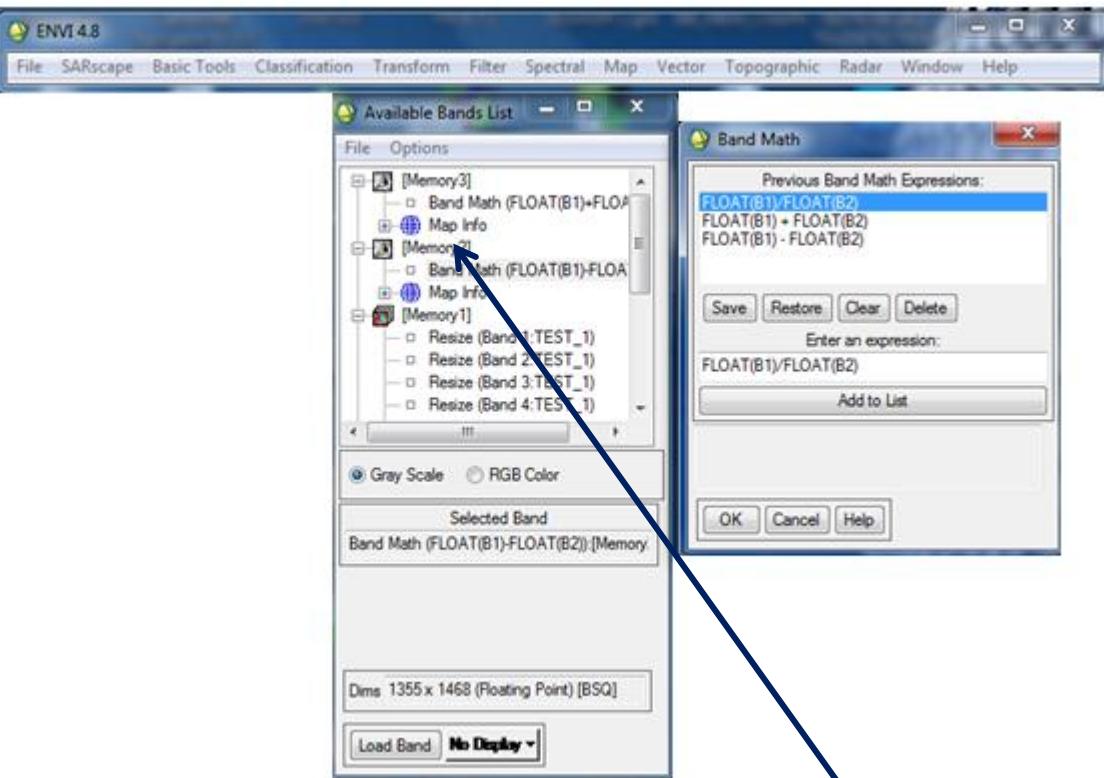
Expression mathématique
(TM4-TM3)/(TM4+TM3)
Entrer le numérateur et dénominateur

Click Add list Save
nommer le fichier et
sauvegarder



Select expression
Click OK sur band math
Select B1 & B2 dans variables to
band click OK
Band expression
dans Available Band List





Select expression

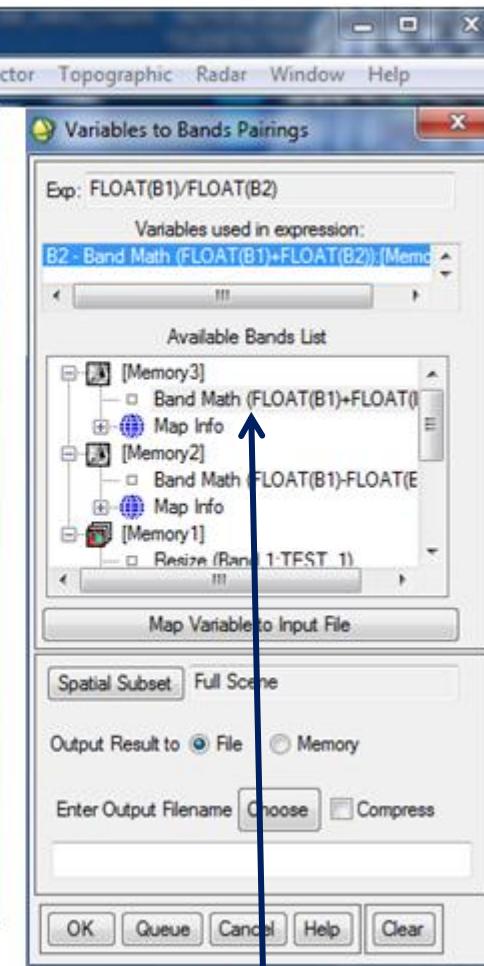
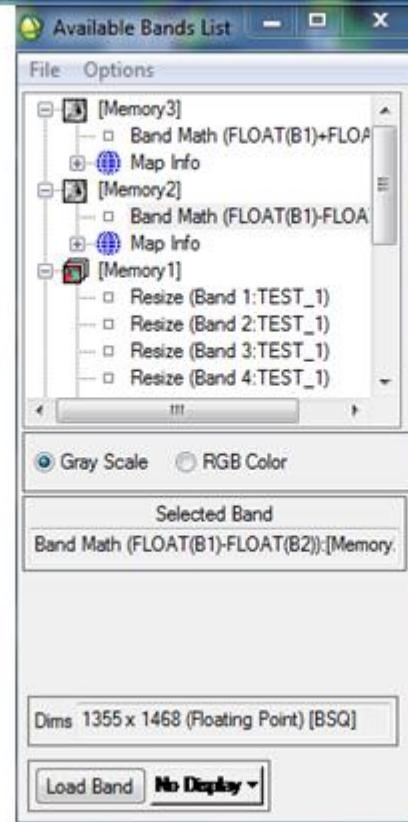
Click OK sur band math

Select B1 & B2 dans variables to band click

OK

Band expression

dans Available Band List

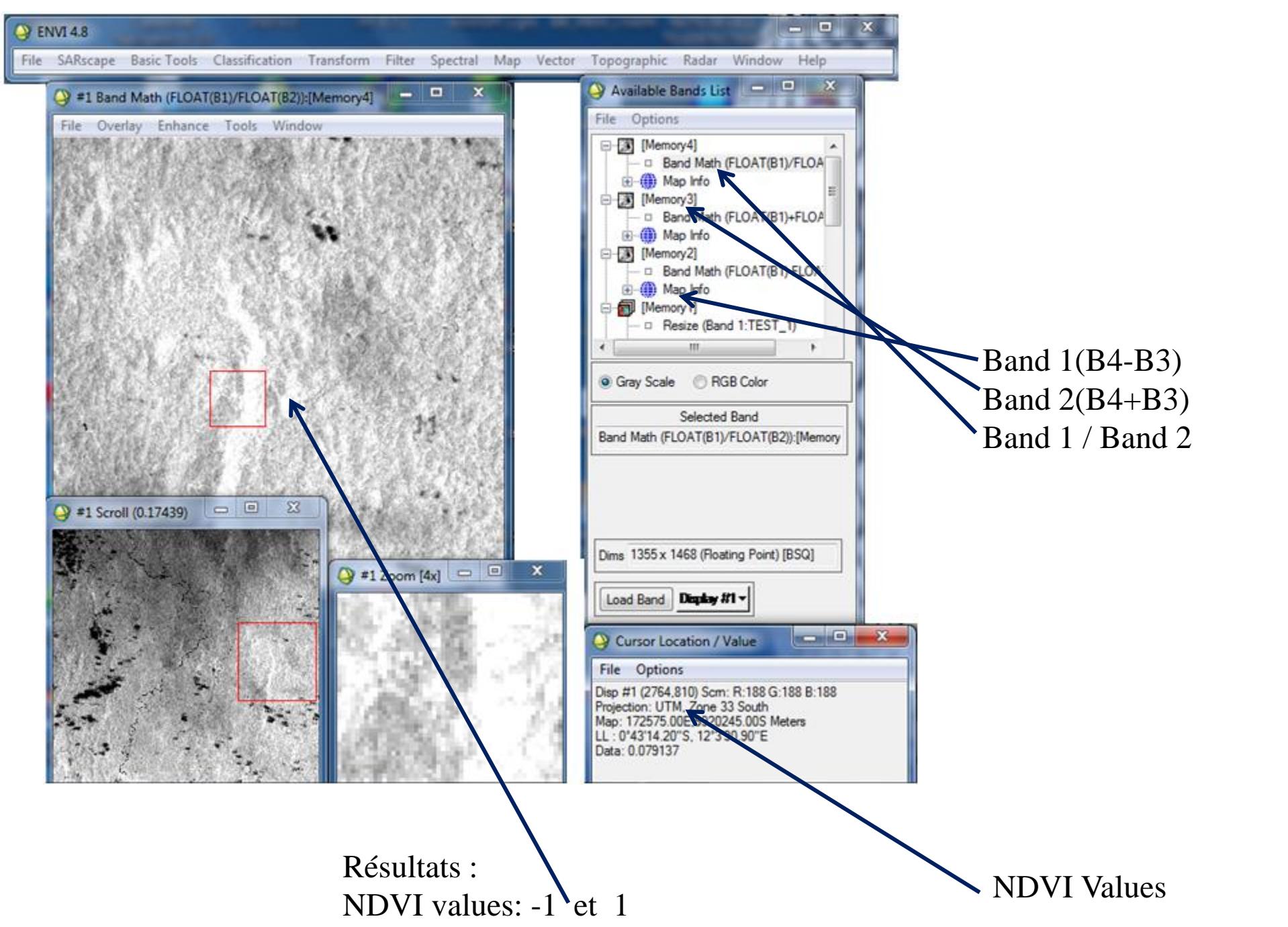


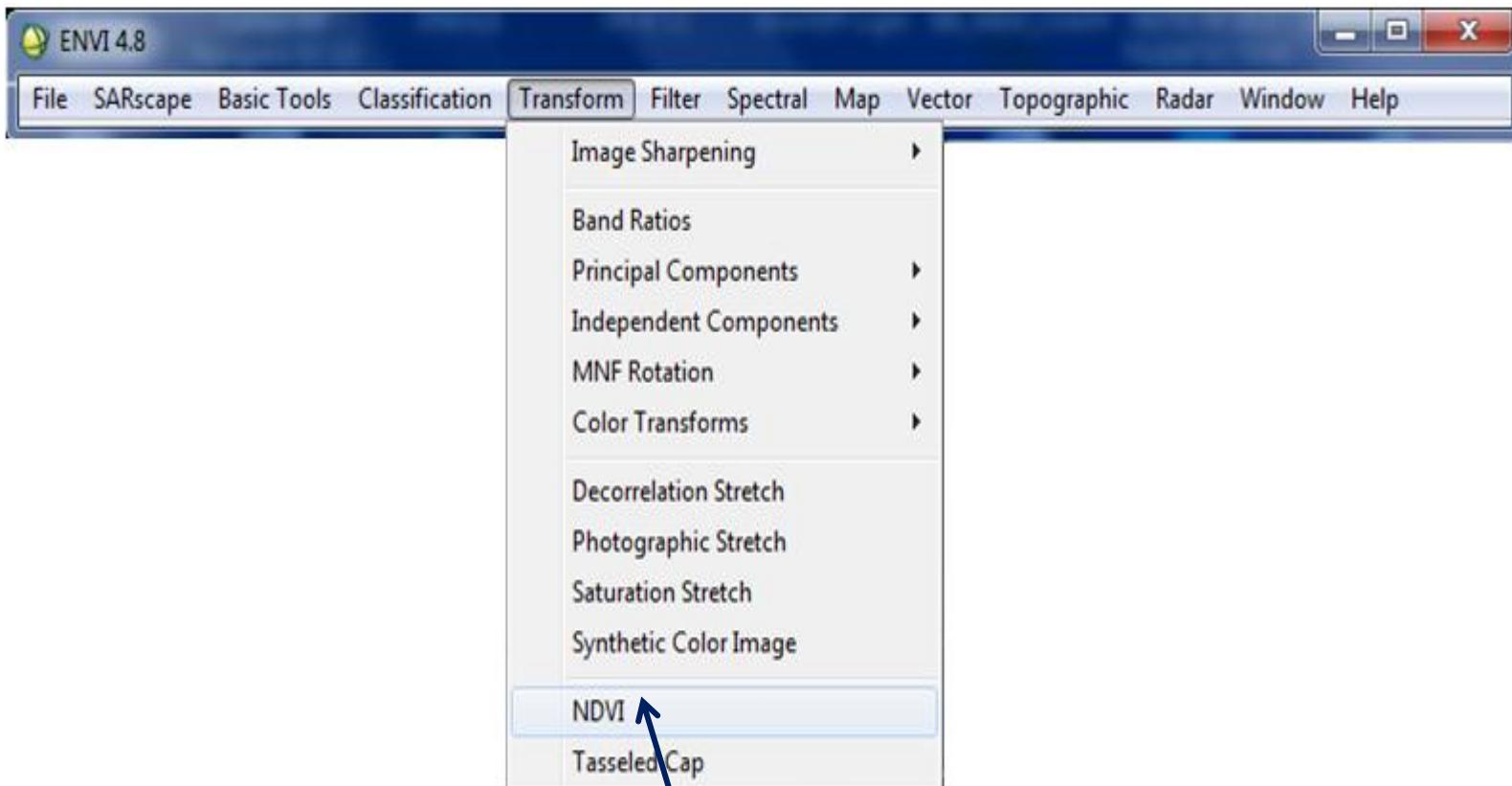
Select expression

Click OK sur band math

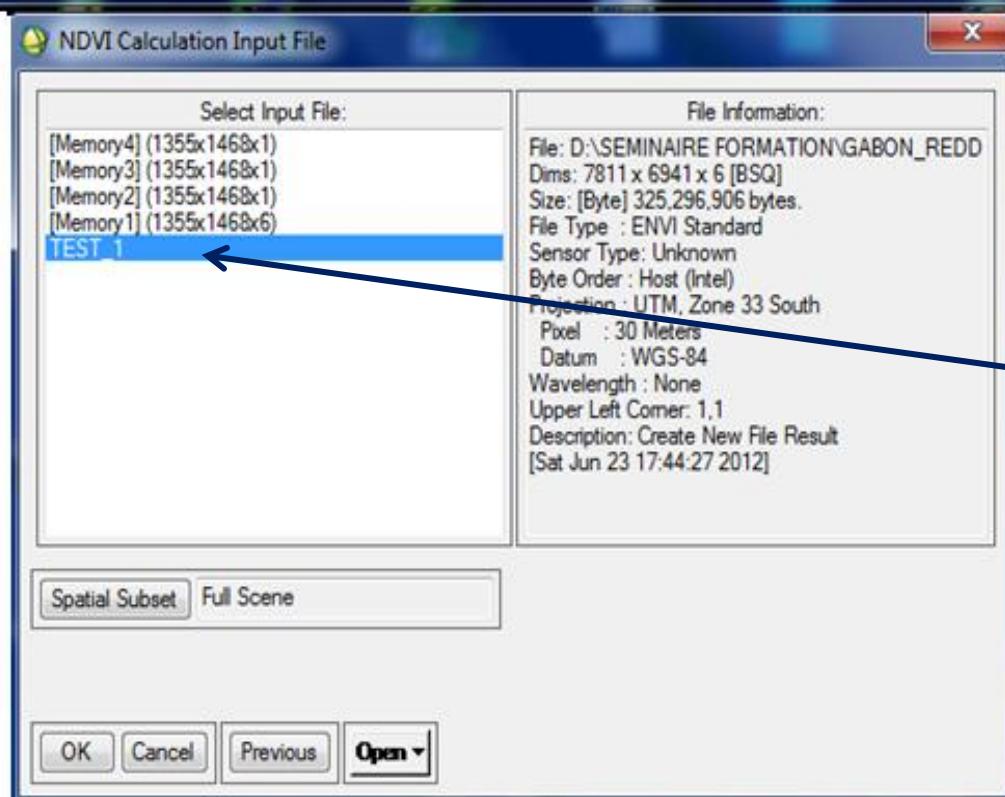
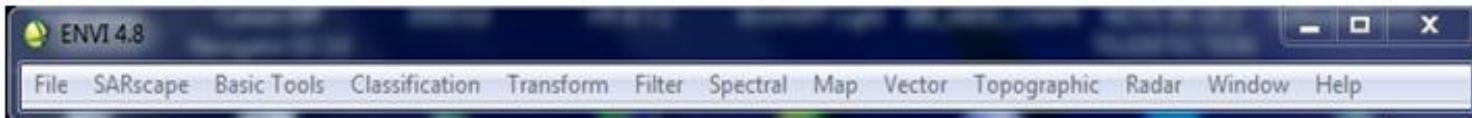
Select B1 & B2 dans variables to band click
OK

Band expression
dans Available Band List

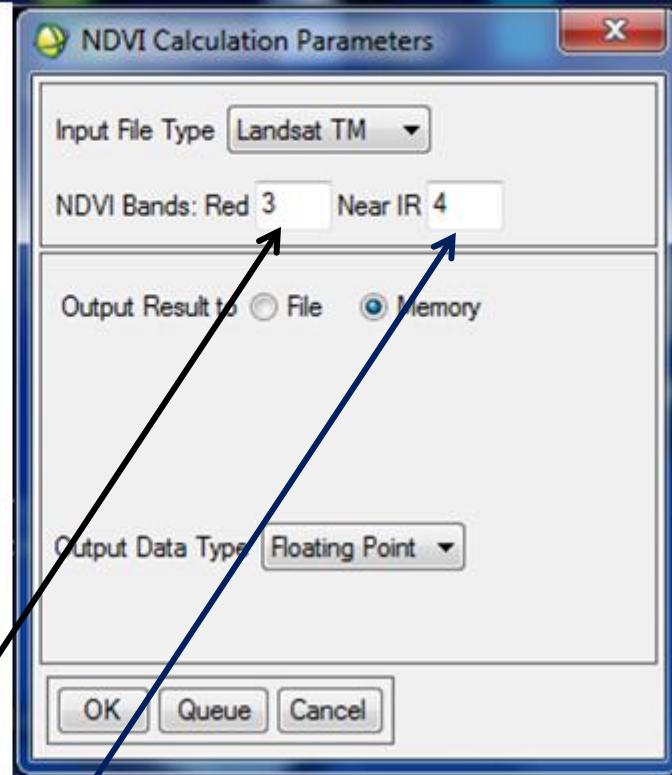
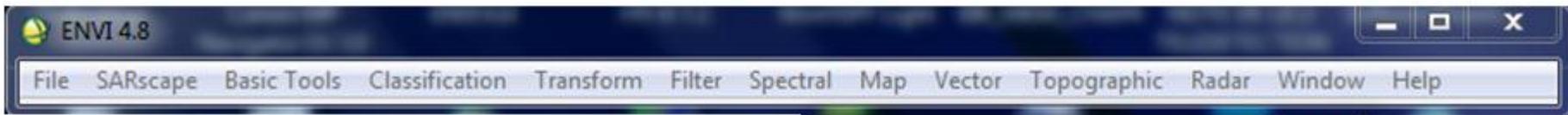




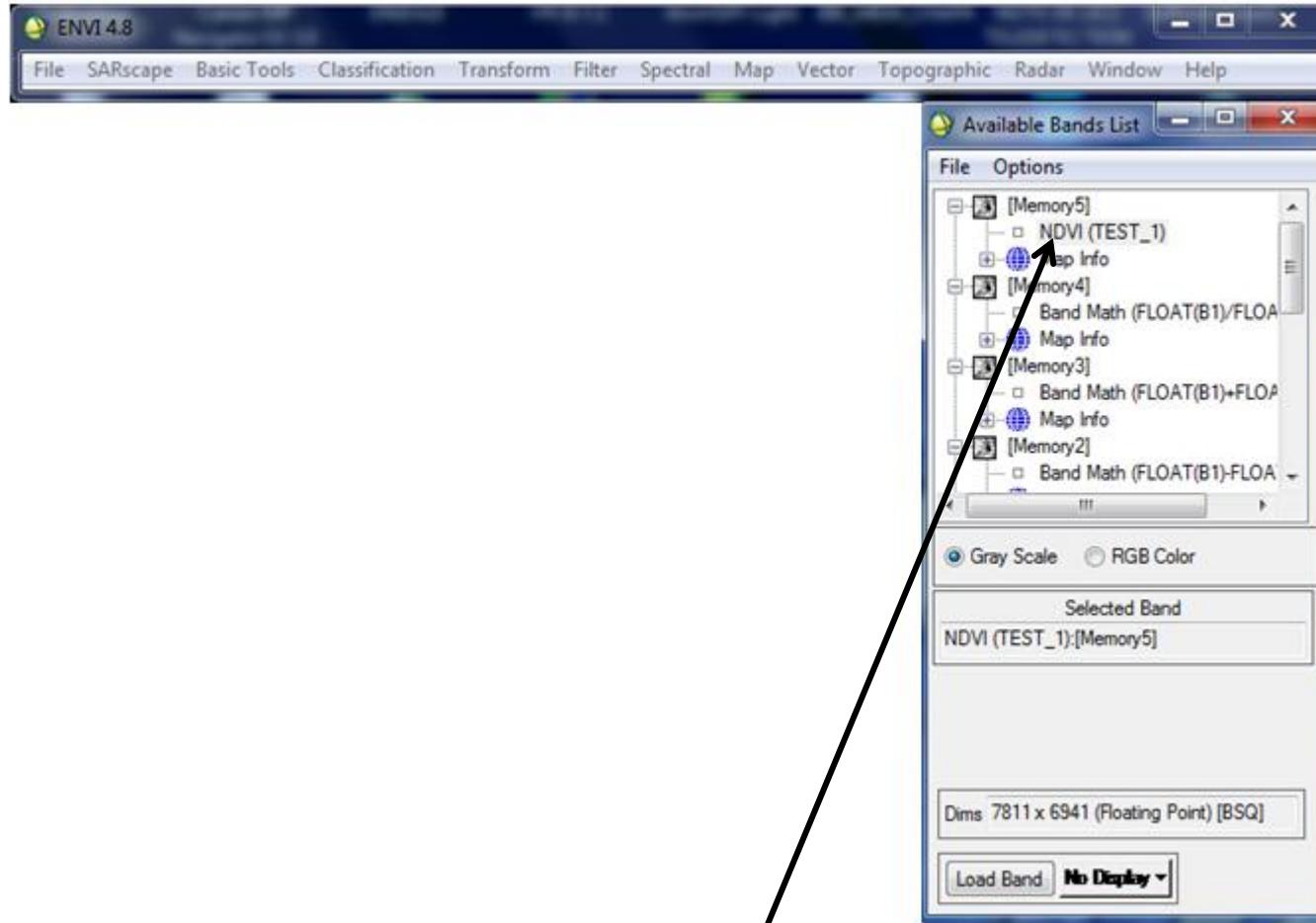
Select NDVI



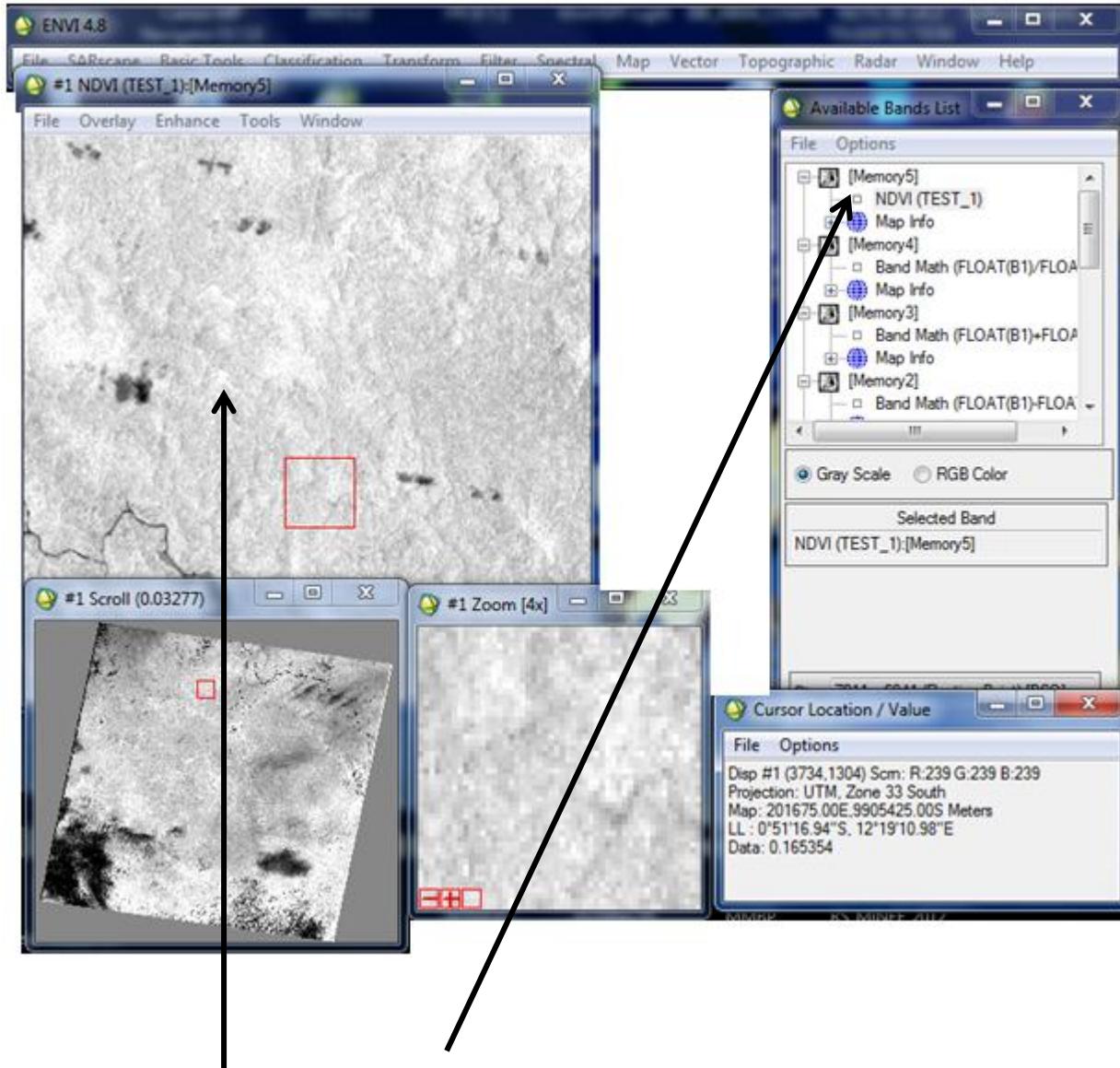
Select image



NDVI Calculation
Select OK



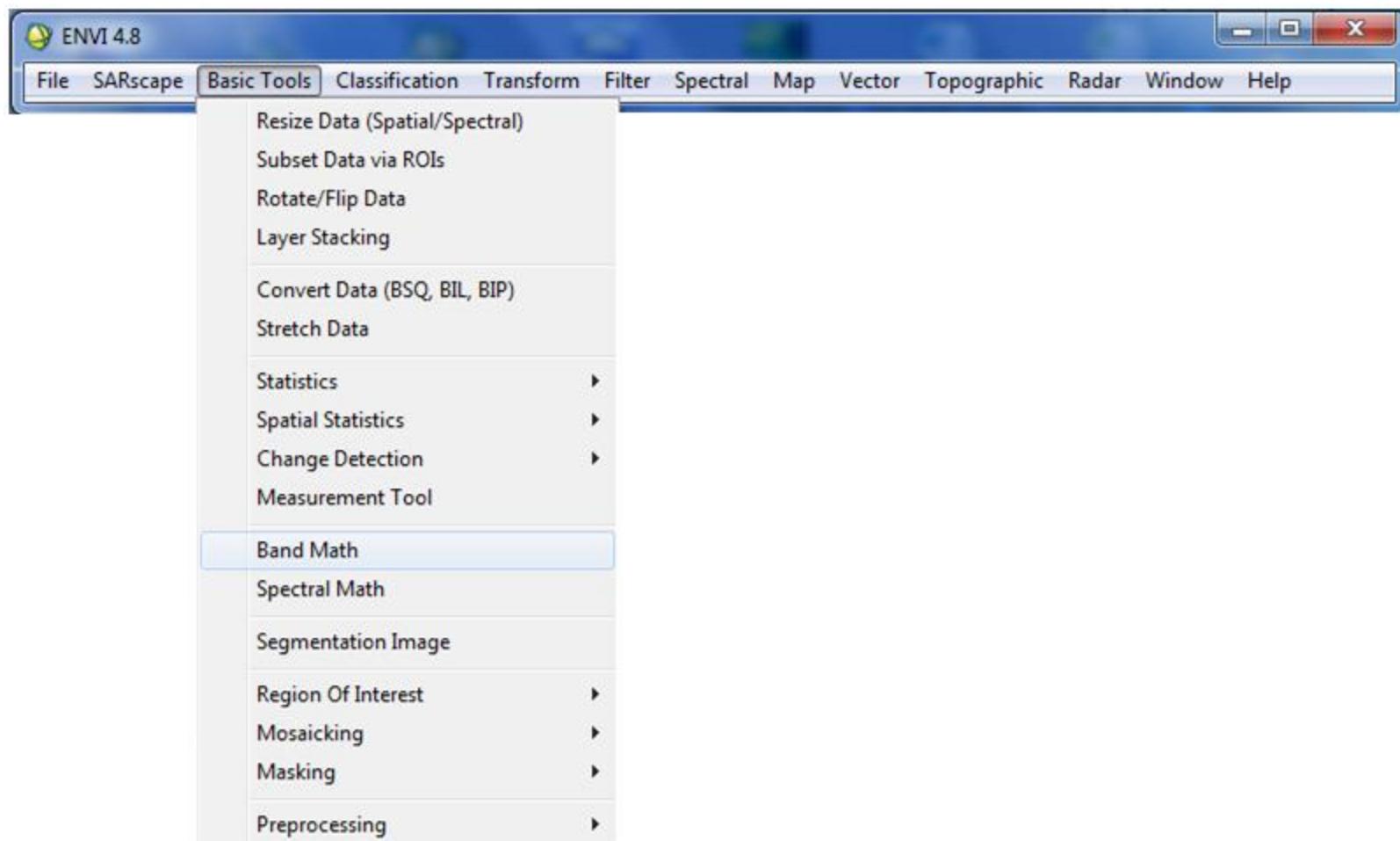
Select NDVI image name
Load

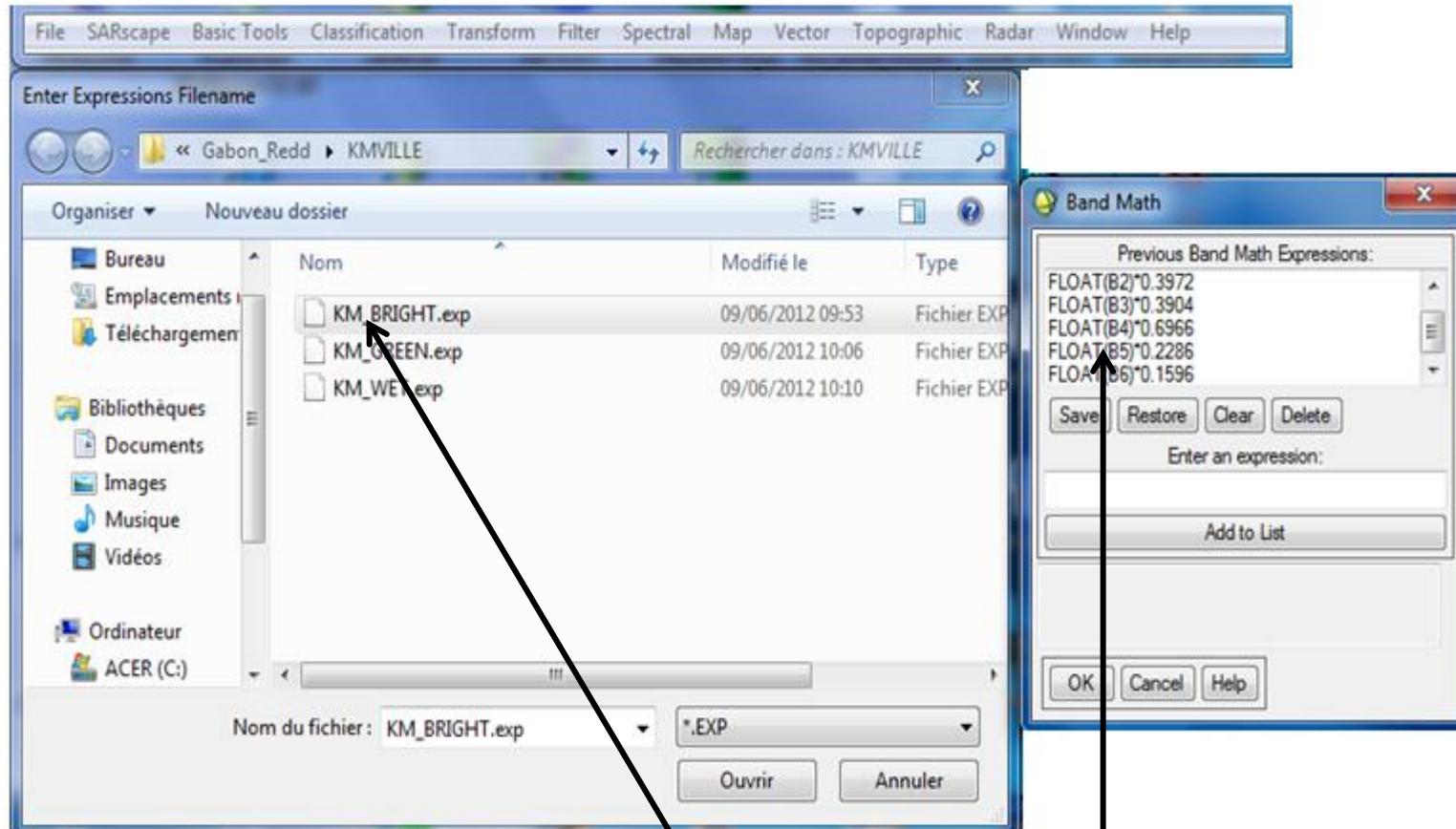


Load image
Results

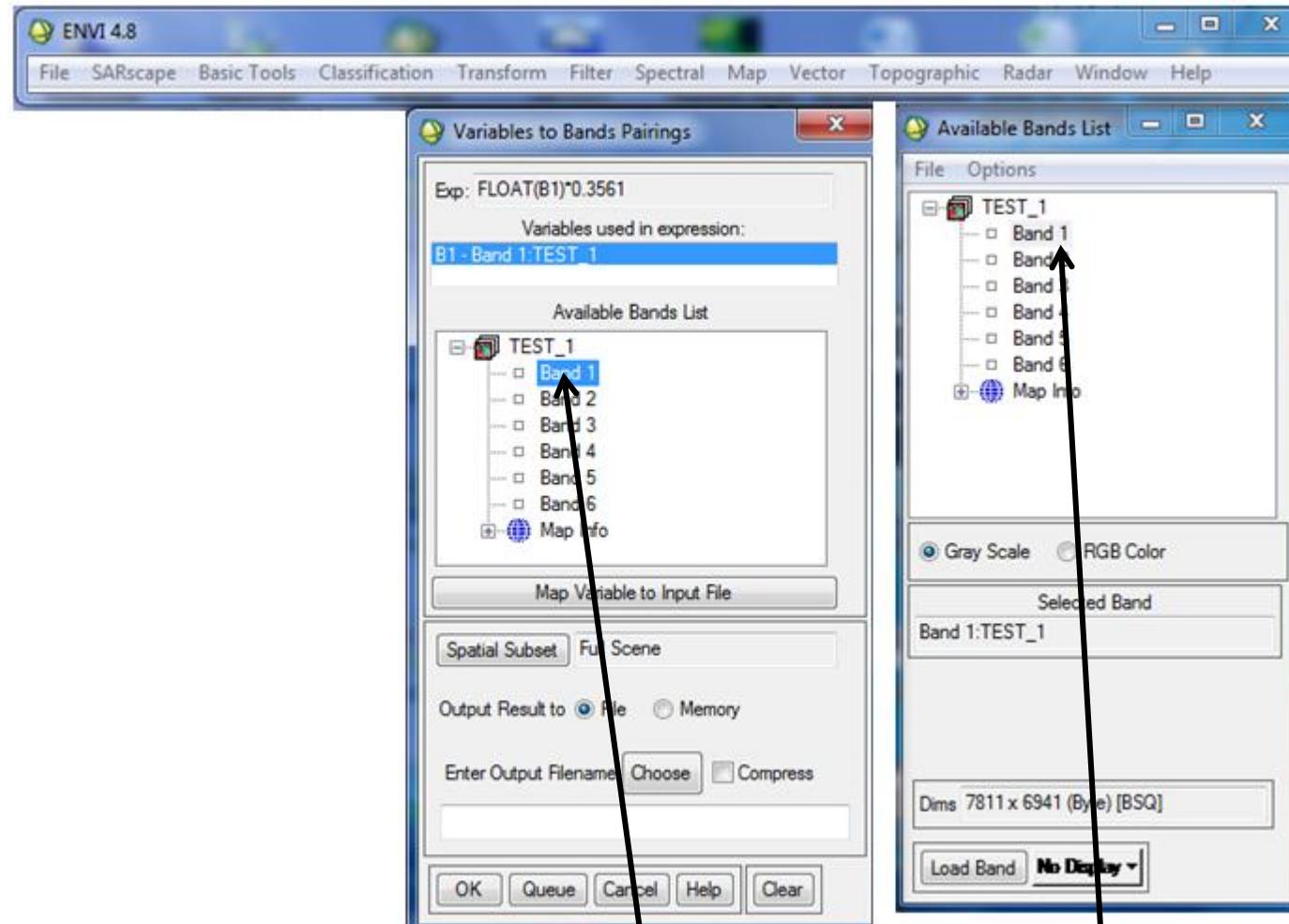
Calcul des indices de végétation

Cas Tasseled Cap avec math function





Expression mathématique selon le format de IDL
Add expression
Save dans un fichier selon le format IDL



Sélectionner chaque bande
Ceci est fait sur toutes les bandes

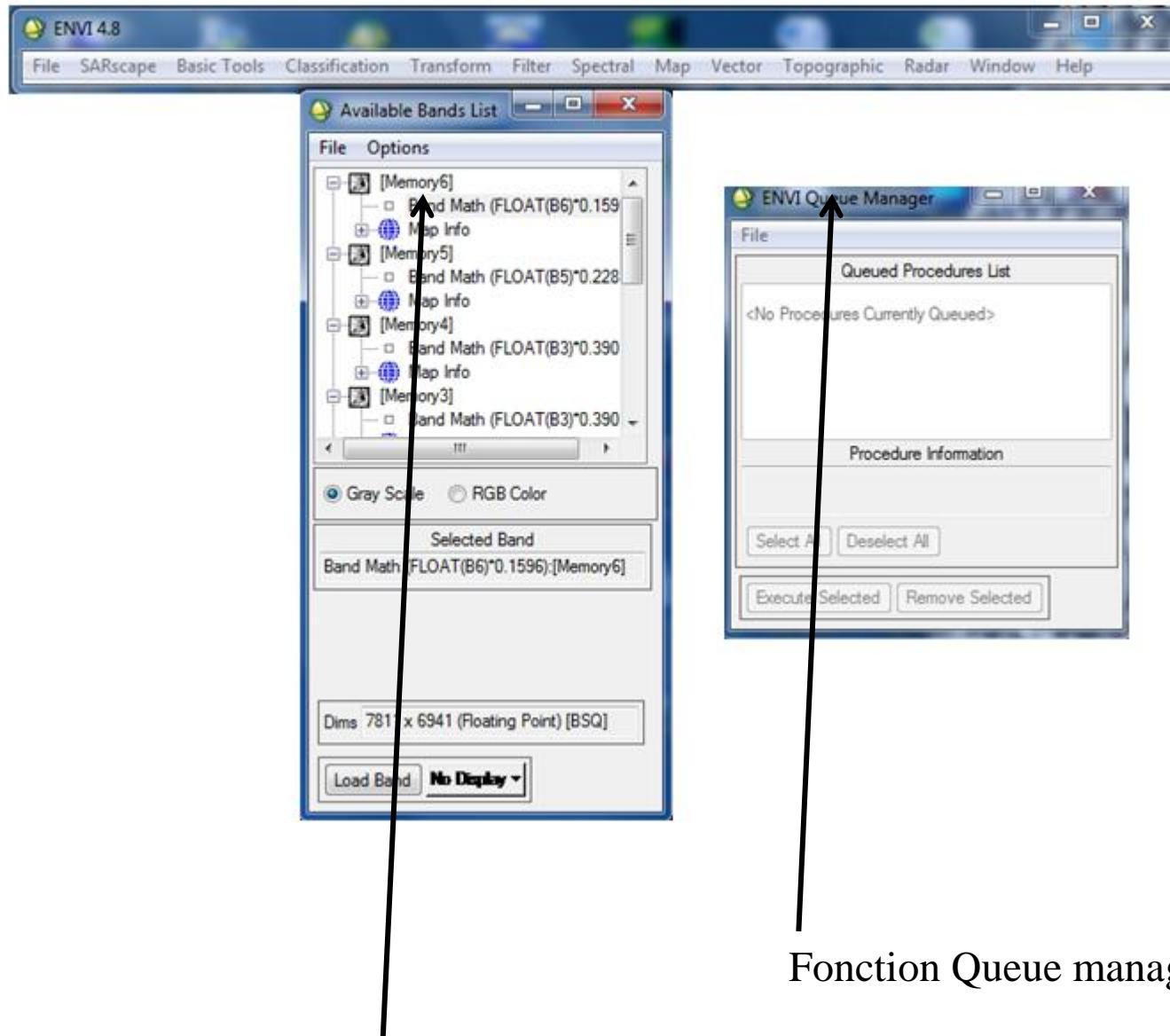
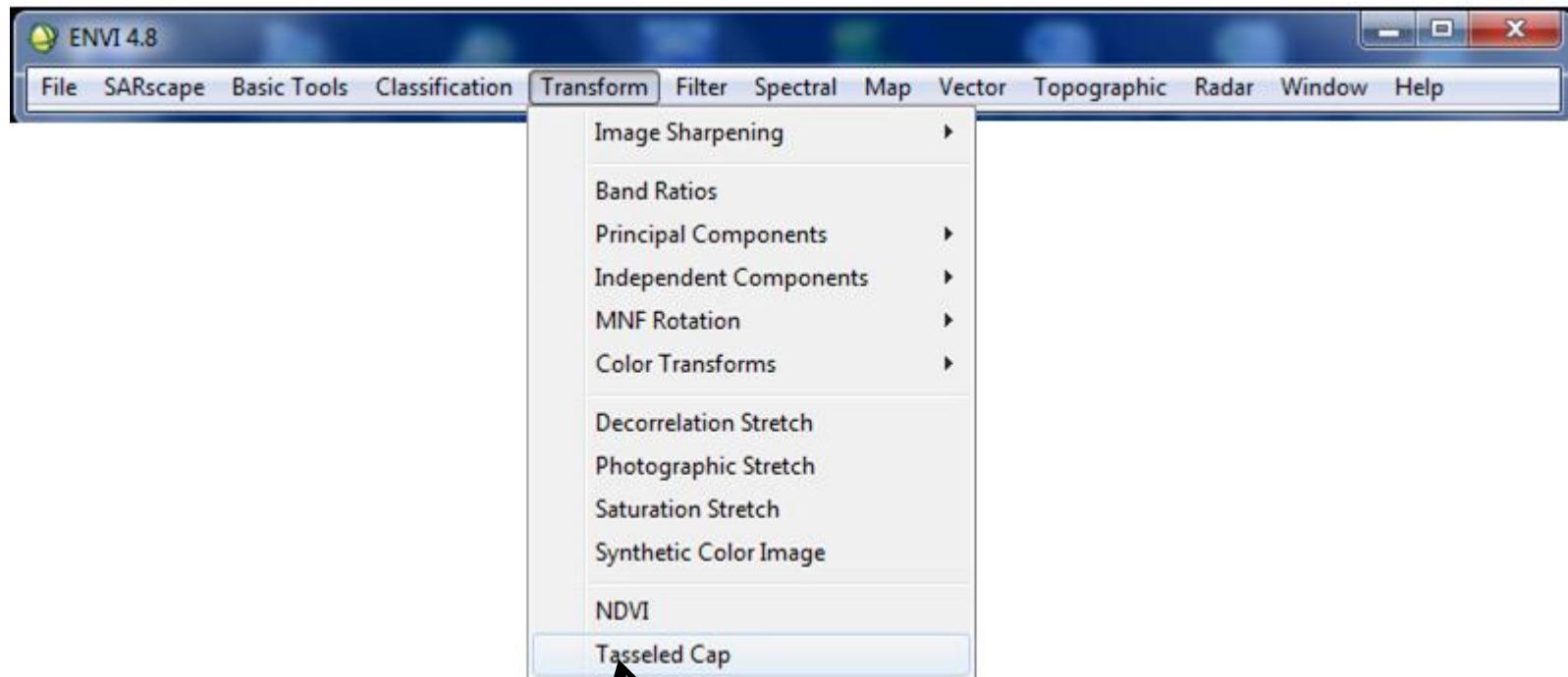


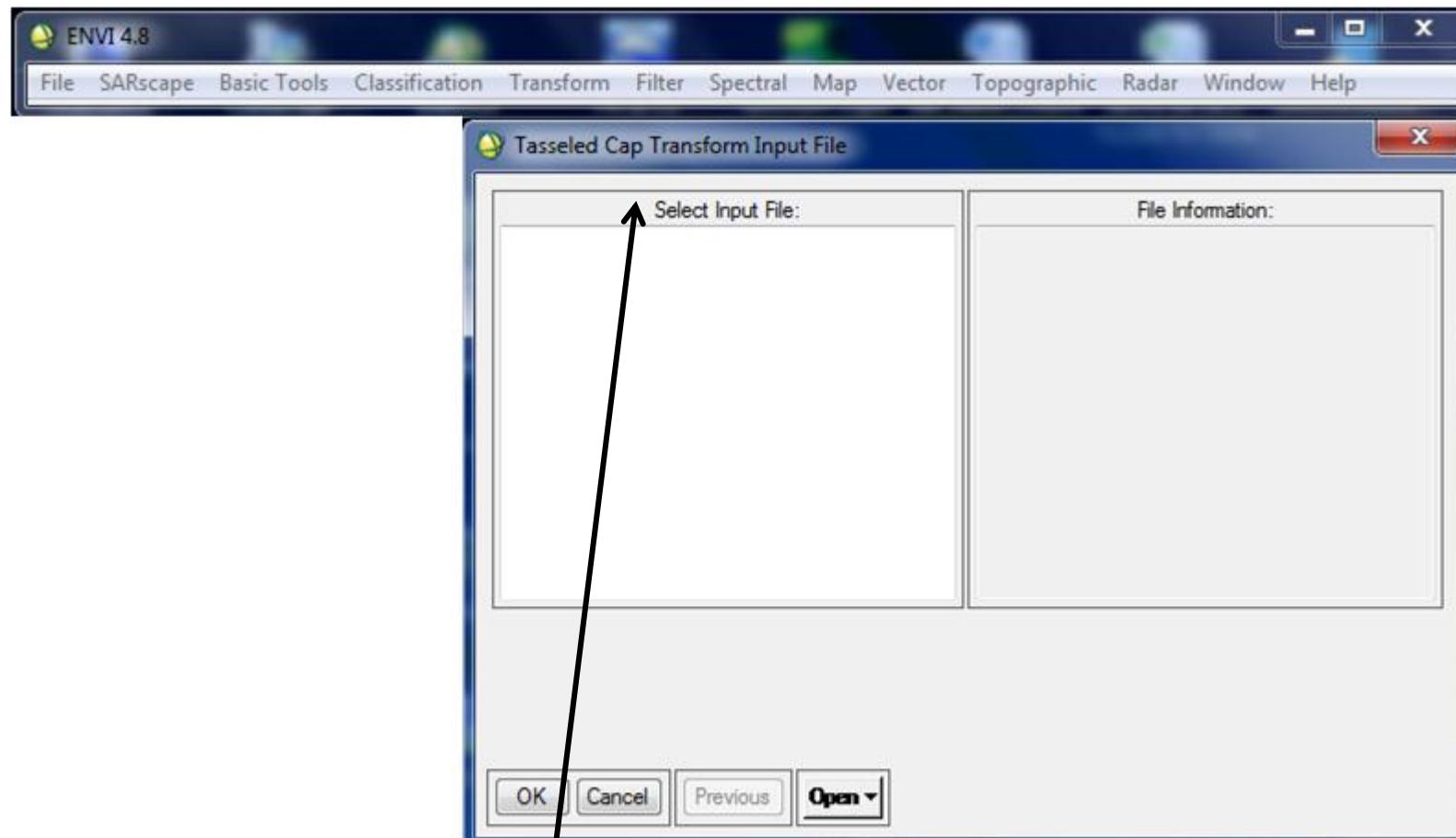
Image pour chaque bande

Fonction Queue manager

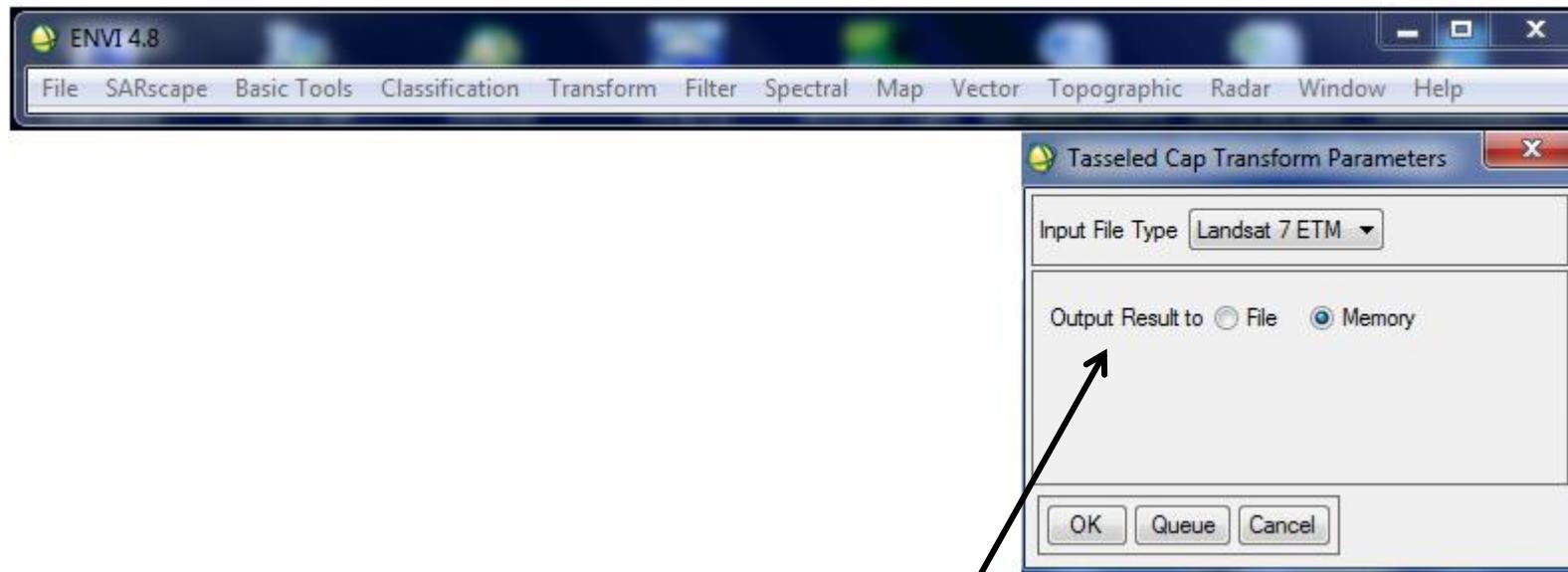
Cas Tasseled Cap automatique



Tasseled Cap index

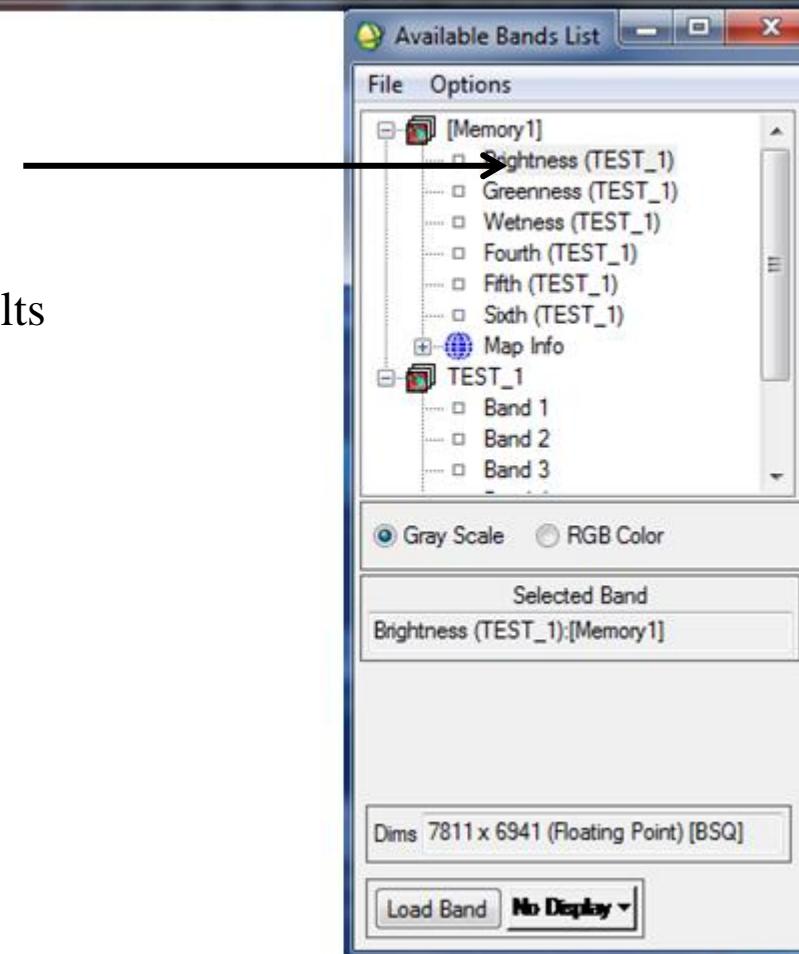


Input le fichier des données



Tasseled cap transform
Types des données
OK

Indices
Load image and get results





REDDiness

Support C-Africa in EO driven forest monitoring for REDD

Je vous remercie



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