

# Roteiro para Converter dados do *TrackSource* para *Shapefile*

Michel Metran da Silva  
Dia 7 de Março de 2012

## Objetivos:

Montar uma base cartográfica, em SAD 69, com o material provindo do *TrackSource*, ou seja, uma base cartográfica de Estradas, Ruas e Rodovias

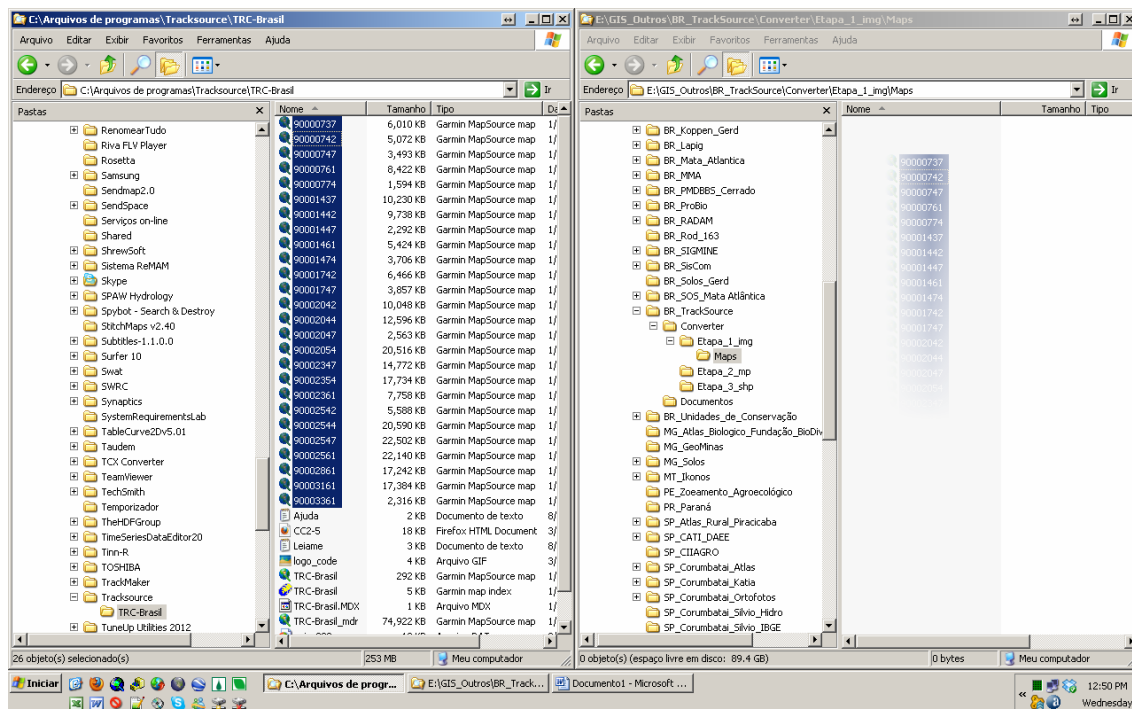
## Pré-Requisitos:

- TrackSource instalado no PC

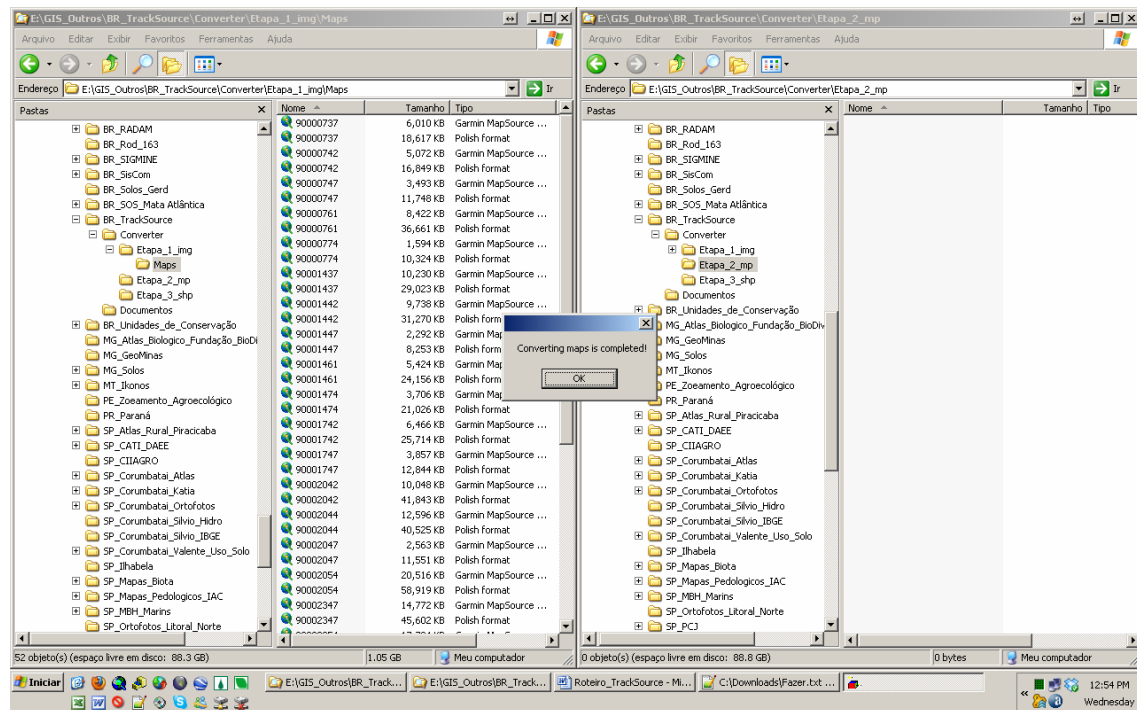
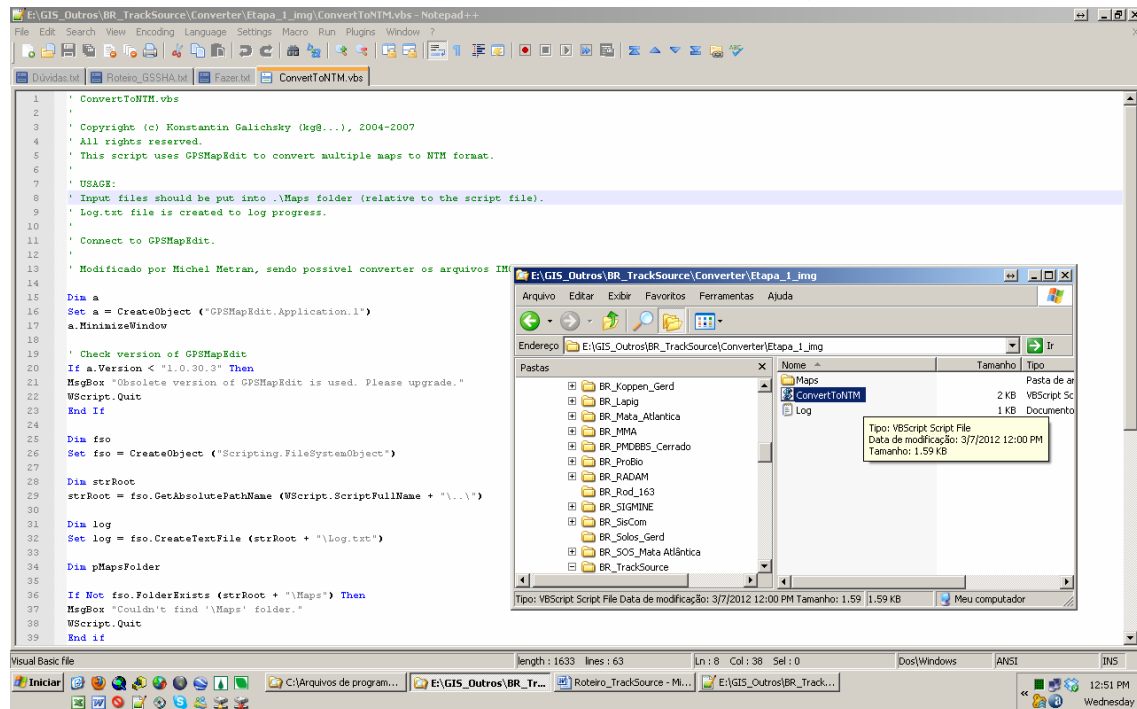
## Softwares necessários:

- GPSMapEdit
- GlobalMapper
- ArcGIS (ArcCatalog)

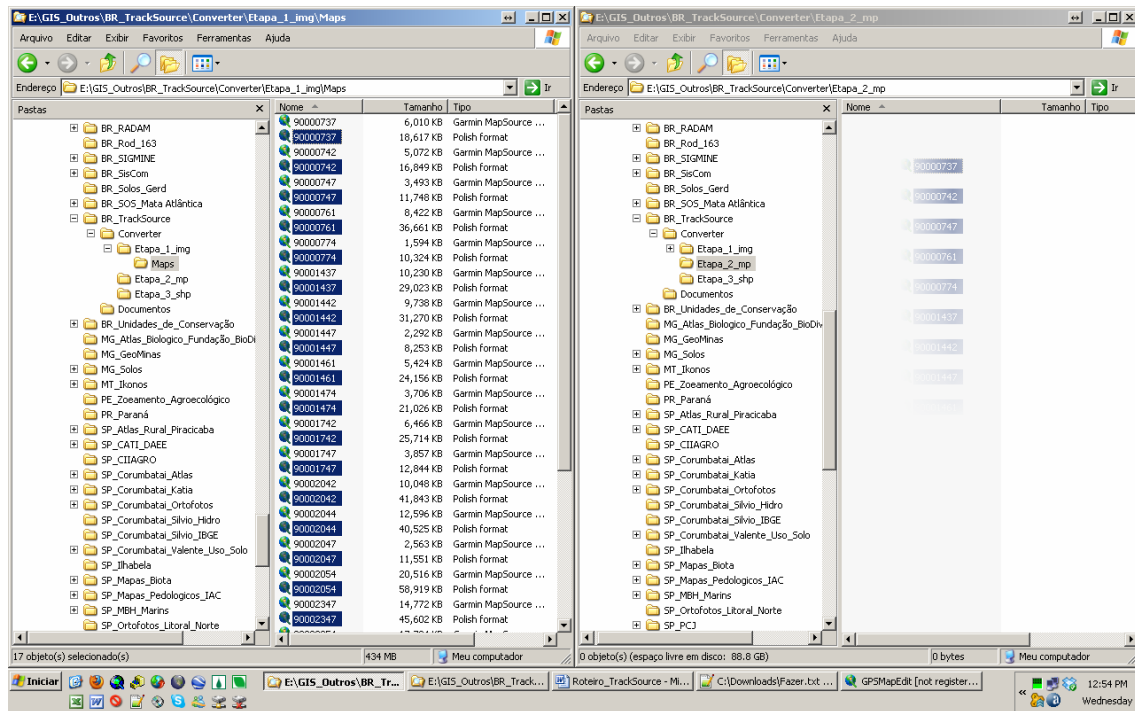
1. Copiar todos os mapas *.img* (formato do *TrackSource*) da pasta aonde foi instalado o *TrackSource* para *..Etapas\_1\Maps*



## 2. Aplicar a macro *ConvertToNTM.vbs*...que se encontra dentro de *E:\GIS\_Outros\BR\_TrackSource\Converter\Etapa\_1\_img*

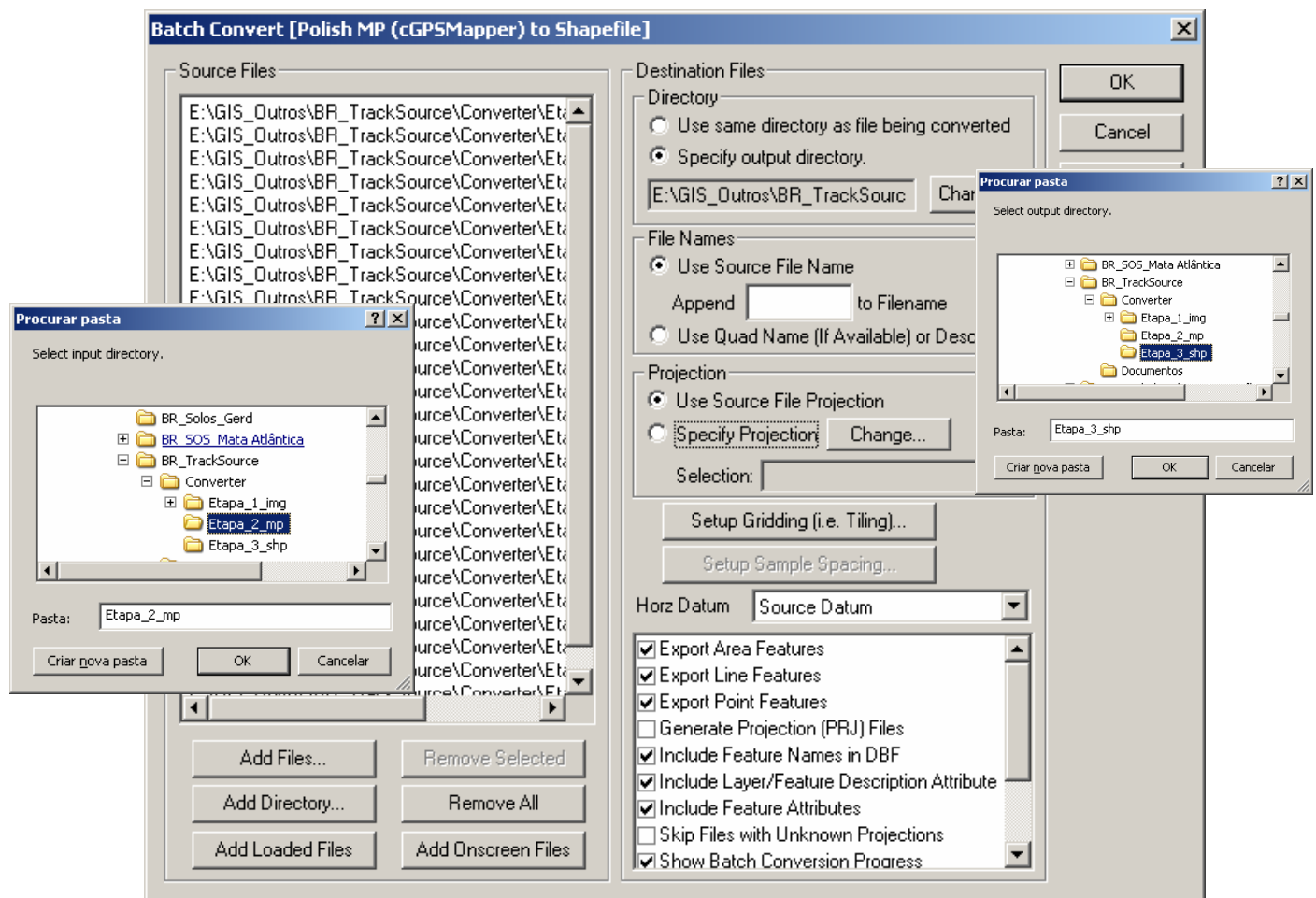
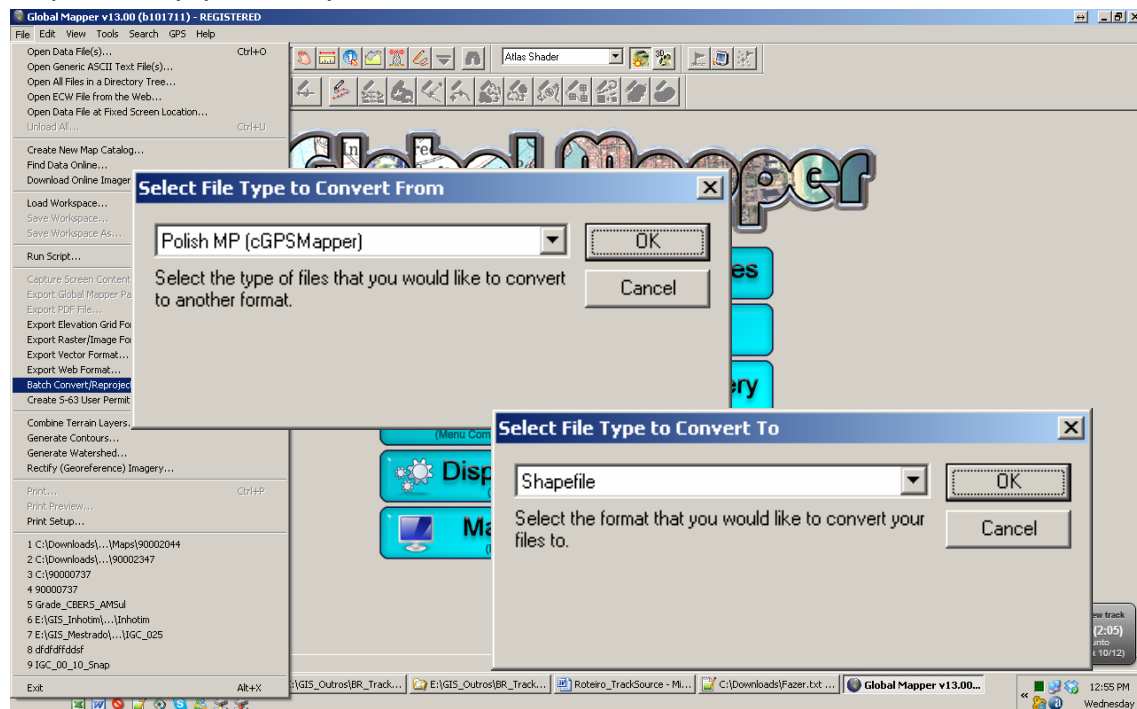


### 3. Colocar os arquivos em formato .mp na pasta ..\Etapa\_2

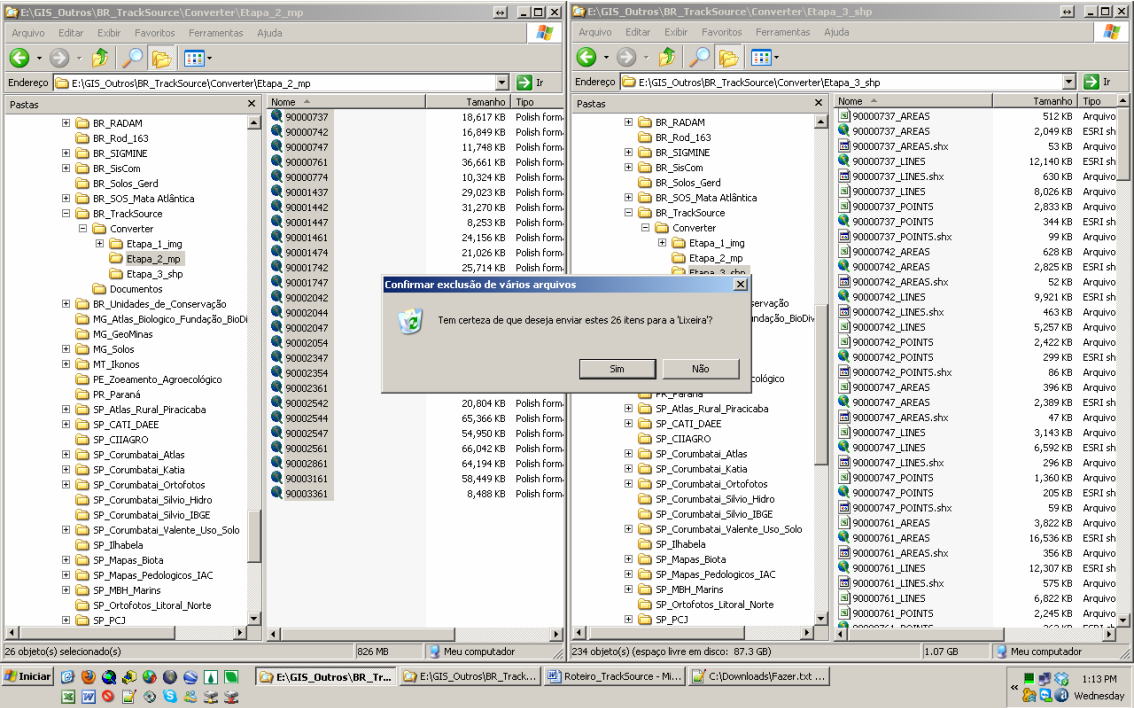


### 4. Deletar os mapas .img

5. Usando a ferramenta *Batch*, interna, do *Global Mapper*, reprojetar os arquivos *.mp* para *shapefile*...



6. Processo feito, deletar arquivos .mp



## 7. No ArcCatalog, aplicar o Script: Ajustar os *paths* do *workspace*

## Code ArcGIS

```
workspace E:\GIS_Outros\BR_TrackSource\Converter\Etapa_3_shp
CreateFolder_management %workspace% Pass_1_Select
CreateFolder_management %workspace% Pass_2_Project
CreateFolder_management %workspace% Pass_3_Final
Select * %workspace%\Pass_1_Select\_%input% "DataLevel" = 0'
```

```
workspace E:\GIS_Outros\BR_TrackSource\Converter\Etapa_3_shp\Pass_1_Select
```

## Definindo Projeções

```
DefineProjection_management *
GEOGCS['GCS_WGS_1984',DATUM['D_WGS_1984',SPHEROID['WGS_1984',637813
7.0,298.257223563]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.017453292519943
3]]
```

## Projetando Arquivos

```
Project_management * ..\Pass_2_Project\shp%input%
GEOGCS['GCS_South_American_1969',DATUM['D_South_American_1969',SPHEROI
D['GRS_1967_Truncated',6378160.0,298.25]],PRIMEM['Greenwich',0.0],UNIT['Deg
ree',0.0174532925199433]] SAD_1969_To_WGS_1984_14
GEOGCS['GCS_WGS_1984',DATUM['D_WGS_1984',SPHEROID['WGS_1984',637813
7.0,298.257223563]],PRIMEM['Greenwich',0.0],UNIT['Degree',0.017453292519943
3]]
```

## Criando Geodatabase

```
CreatePersonalGDB_management ..\Pass_3_Final\ Geo_TrackSource
CreateFeatureDataset_management ..\Pass_3_Final\Geo_TrackSource.mdb
Individuais
GEOGCS['GCS_South_American_1969',DATUM['D_South_American_1969',SPHEROI
D['GRS_1967_Truncated',6378160.0,298.25]],PRIMEM['Greenwich',0.0],UNIT['Deg
ree',0.0174532925199433]];IsHighPrecision
CreateFeatureDataset_management ..\Pass_3_Final\Geo_TrackSource.mdb
TrackSource
GEOGCS['GCS_South_American_1969',DATUM['D_South_American_1969',SPHEROI
D['GRS_1967_Truncated',6378160.0,298.25]],PRIMEM['Greenwich',0.0],UNIT['Deg
ree',0.0174532925199433]];IsHighPrecision
```

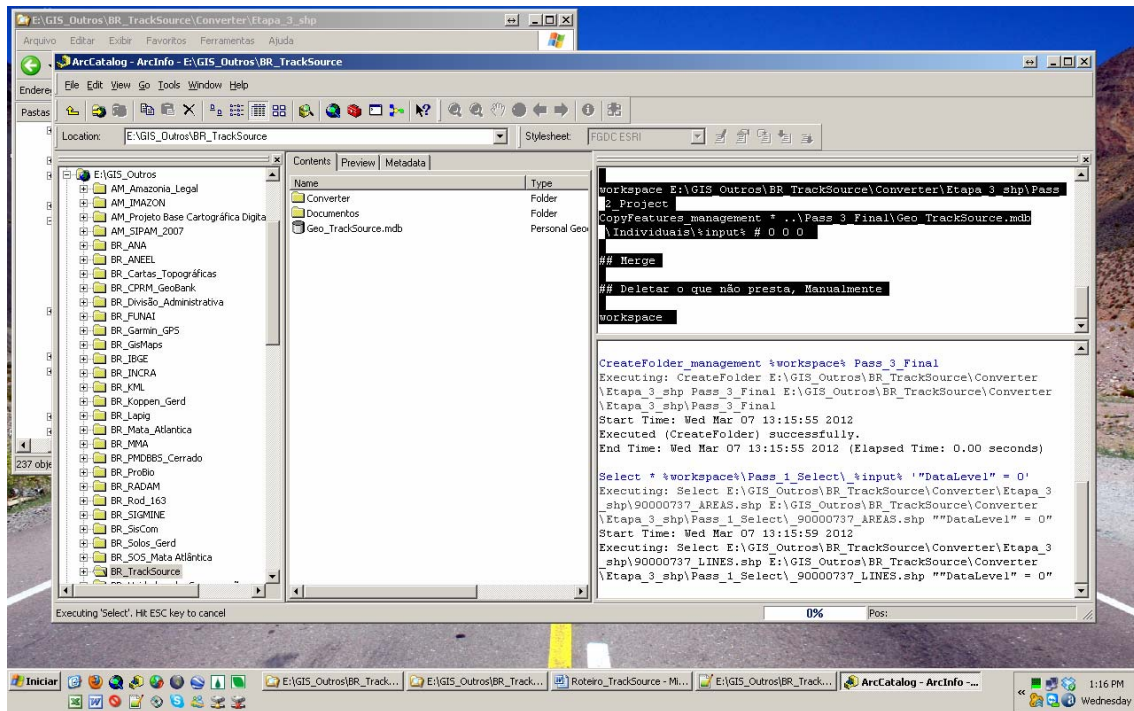
```
workspace E:\GIS_Outros\BR_TrackSource\Converter\Etapa_3_shp\Pass_2_Project
CopyFeatures_management *
..\Pass_3_Final\Geo_TrackSource.mdb\Individuais\%input% # 0 0 0
```

## Merge

## Deletar o que não presta, manualmente.

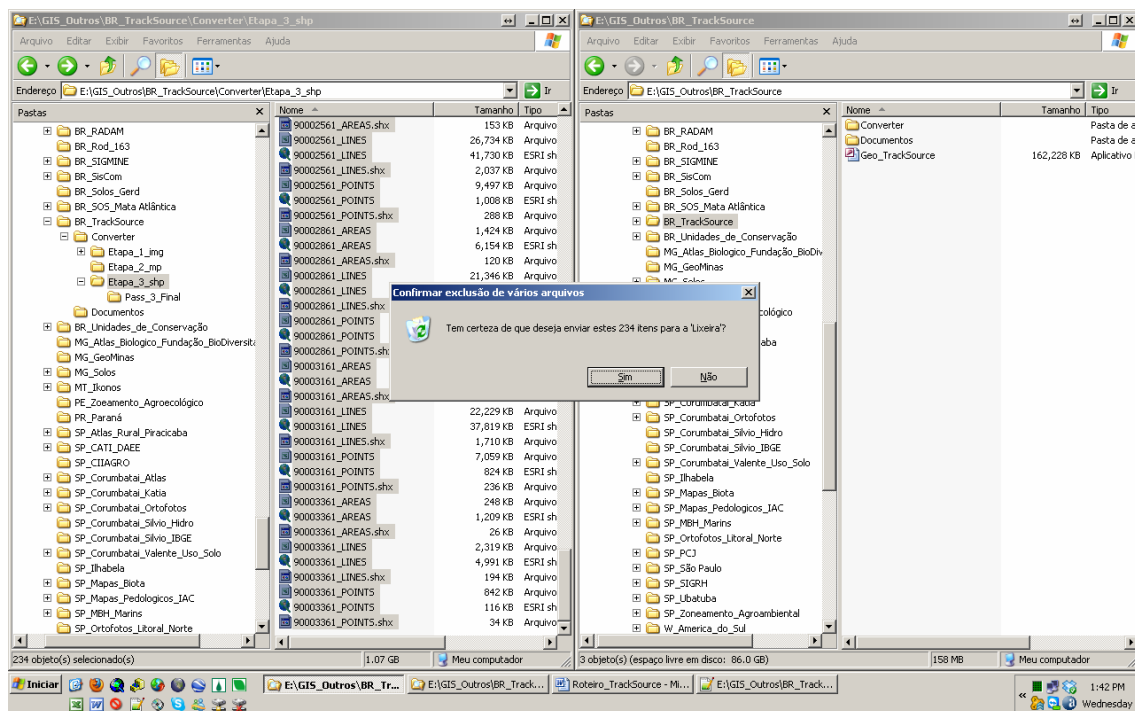
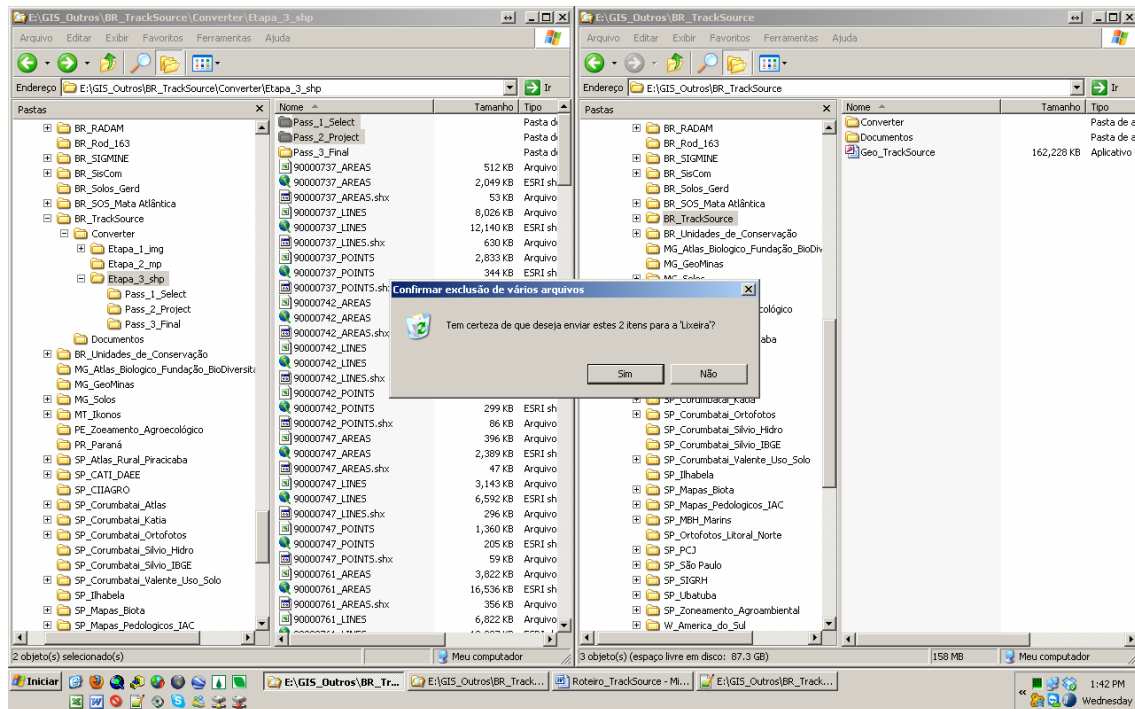
workspace

## 8. ArcCatalog





## 9. Deletar lixos





## 10. Mover o que interessa

