



INTRODUÇÃO AO GEOPROCESSAMENTO

LAB 4 – Álgebra de mapas/ Bruna Cristina Braga 130133

1. Ativar Banco de Dados

Nome: Piranga

2. Verificar Modelos de Dados para o Banco Piranga

3- Ativar Projeto Cromo

a. Geração de Grade Regular para o PI: Teores_Cromo

b. Geração de Grade Regular para o PI: Teores_Cobalto

c. Gerar Mapa Ponderado da Geologia

4. Mapear a grade (representação) do PI Teores_Cromo utilizando Fuzzy Logic.

5. Mapear a grade (representação) do PI Teores_Cobalto utilizando Fuzzy Logic.

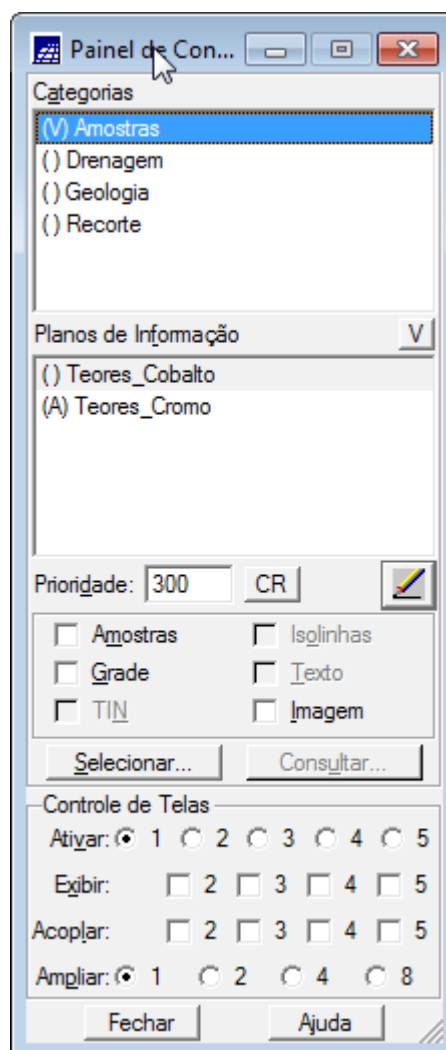
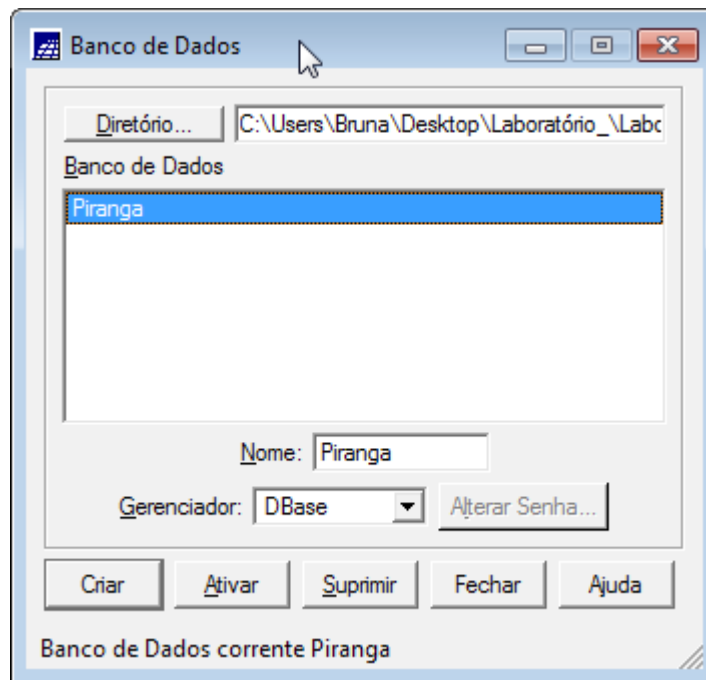
6. Cruzar os PI's Cromo_Fuzzy e Cobalto_Fuzzy utilizando a função Fuzzy Gama.

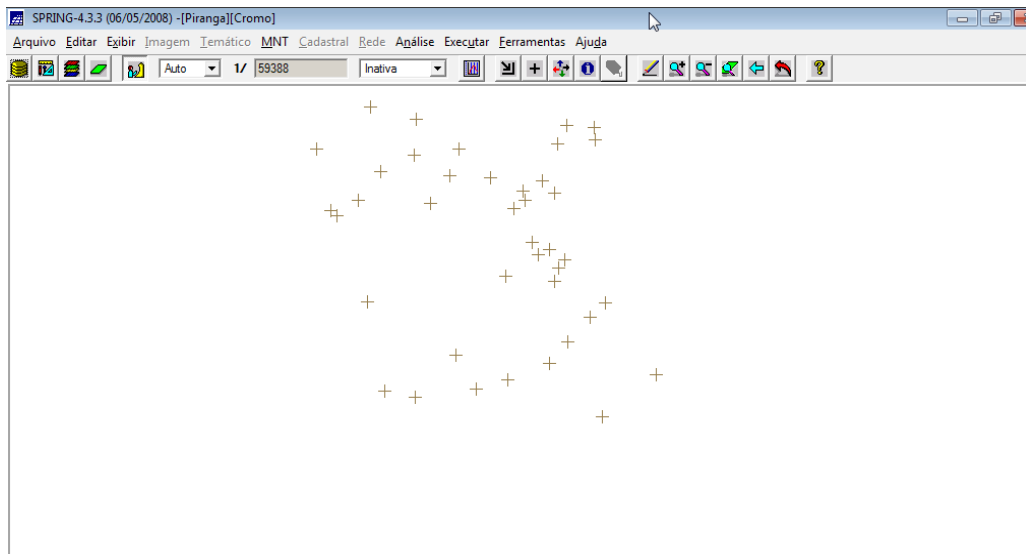
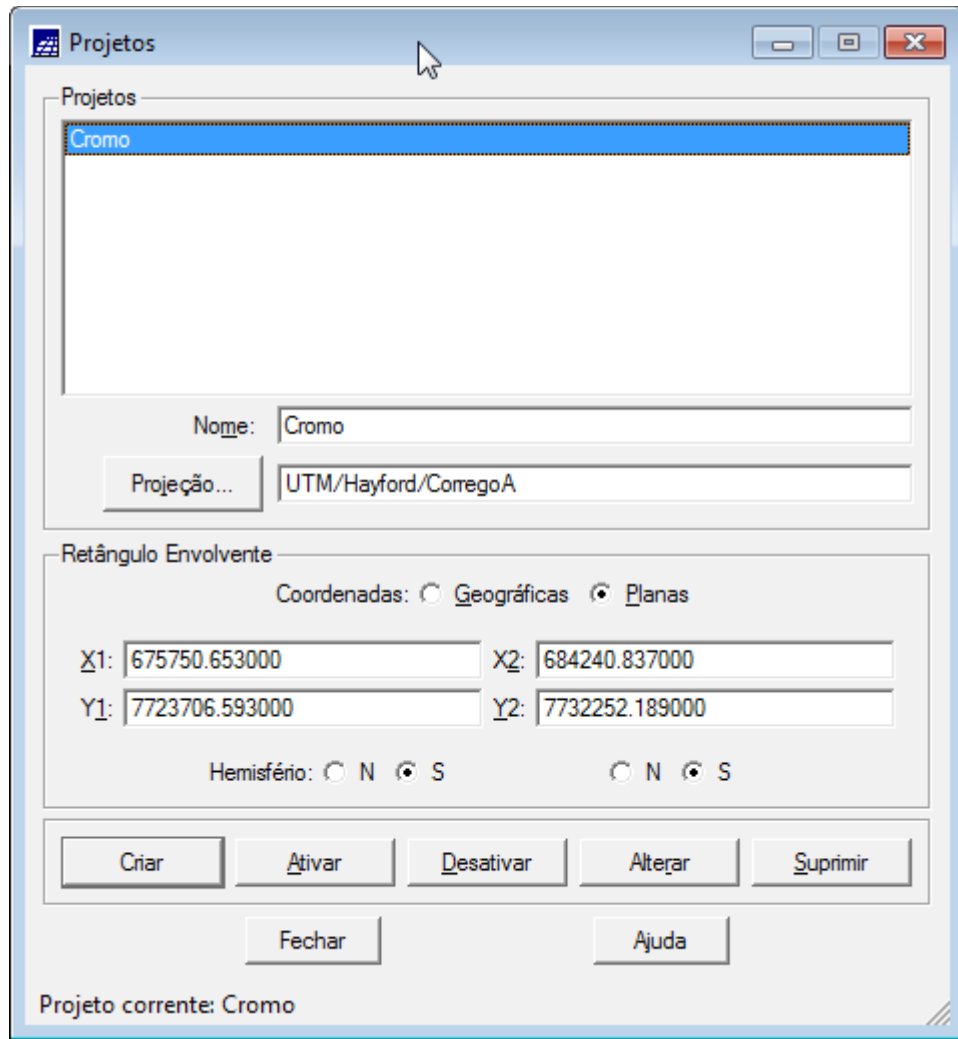
7. Criar o PI Cromo_AHP utilizando a técnica de suporte à decisão AHP (Processo Analítico Hierárquico).

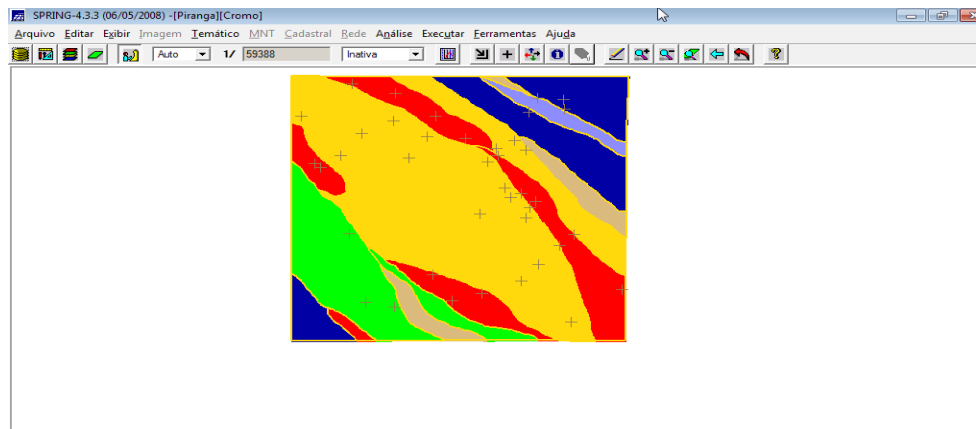
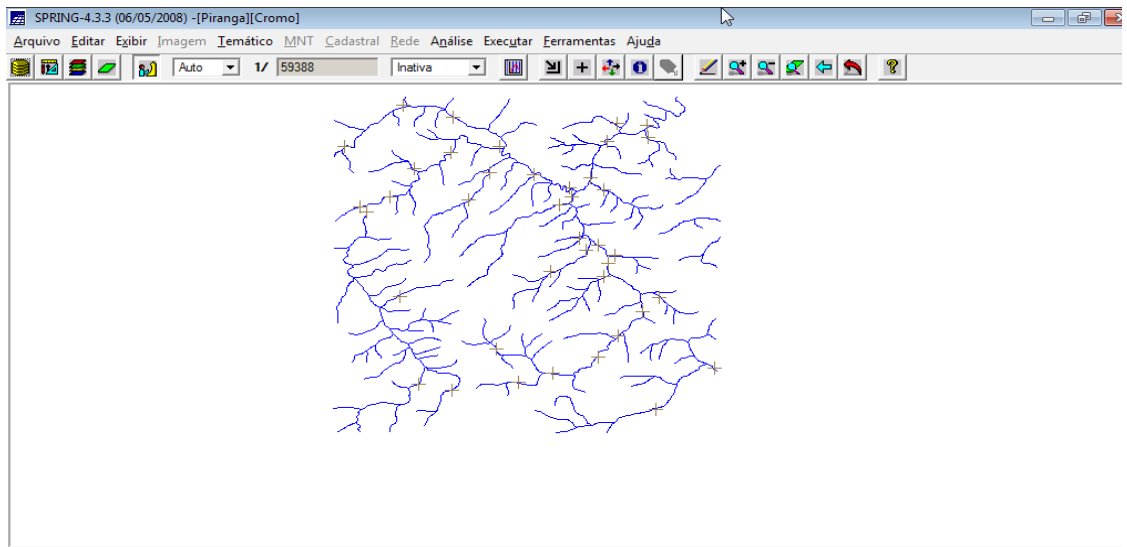
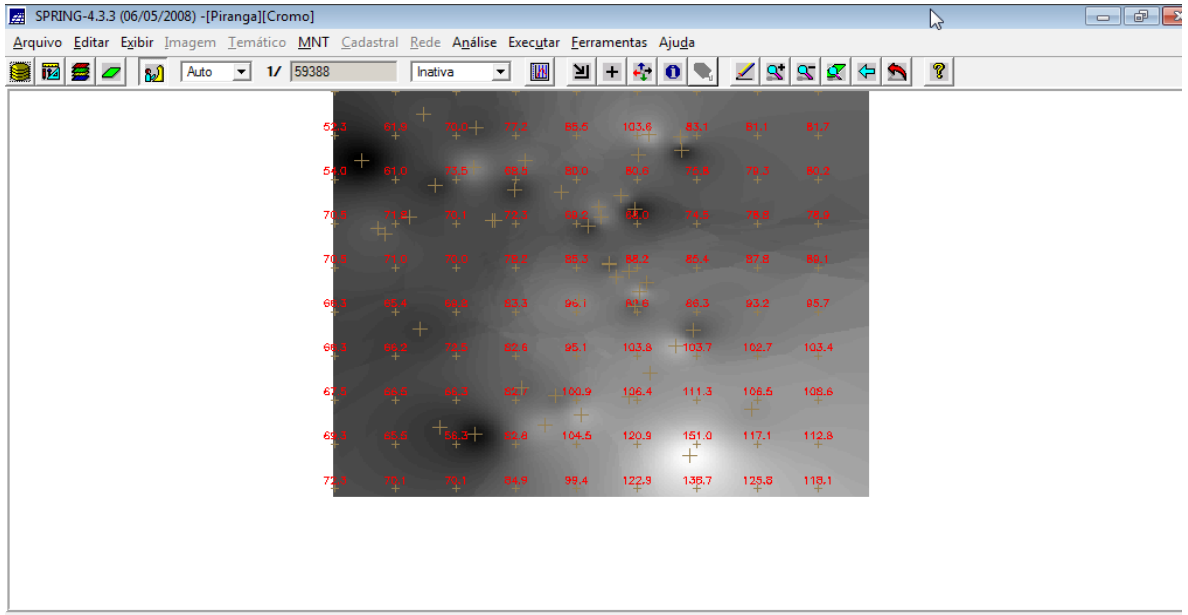
8 – Realizar o Fatiamento no Geo-Campo Gama_Fuzzy.

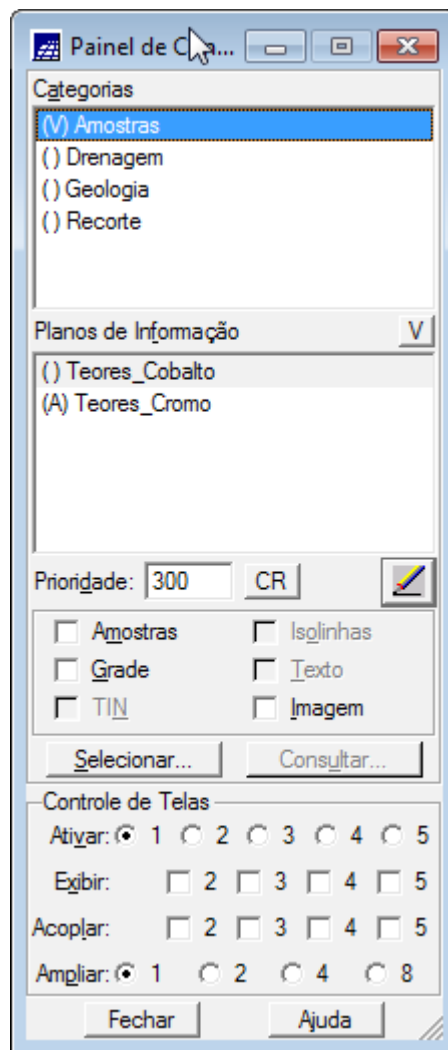
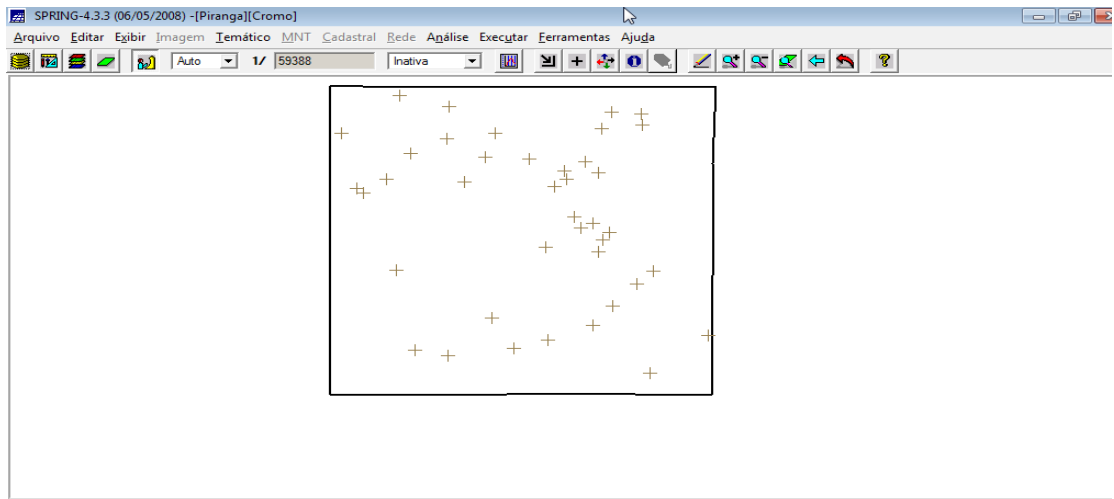
9 – Realizar o Fatiamento no Geo-Campo Cromo_AHP.

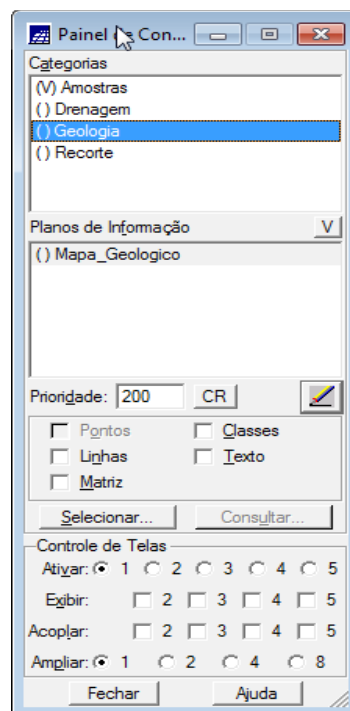
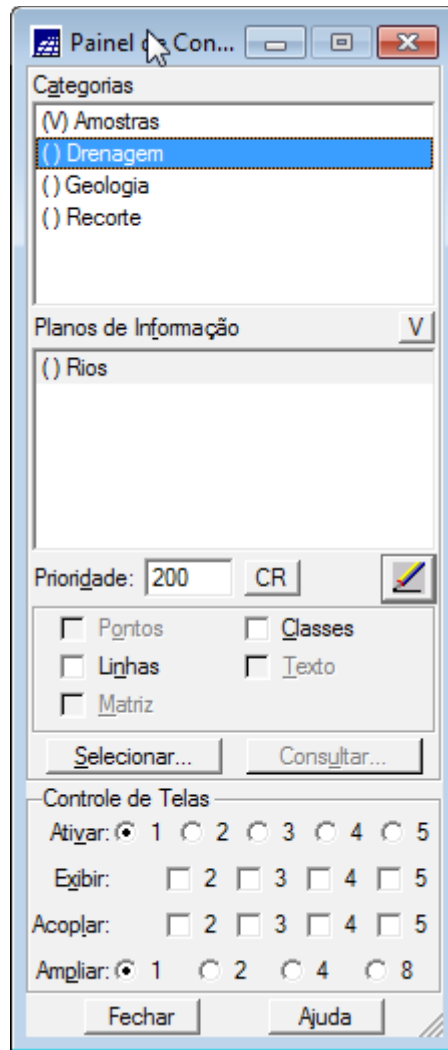
10- Etapa Final: Apresente e Analise os Mapas de Potencialidade de Cromo gerados pelas técnicas AHP e Fuzzy Gama.

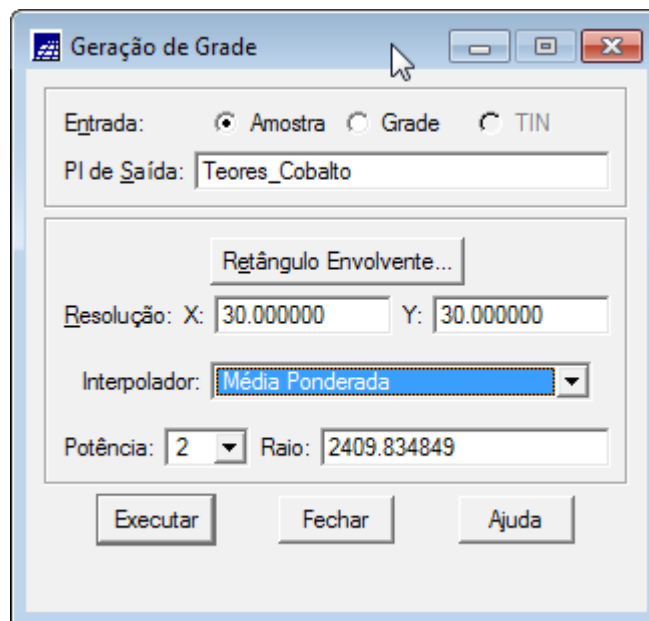
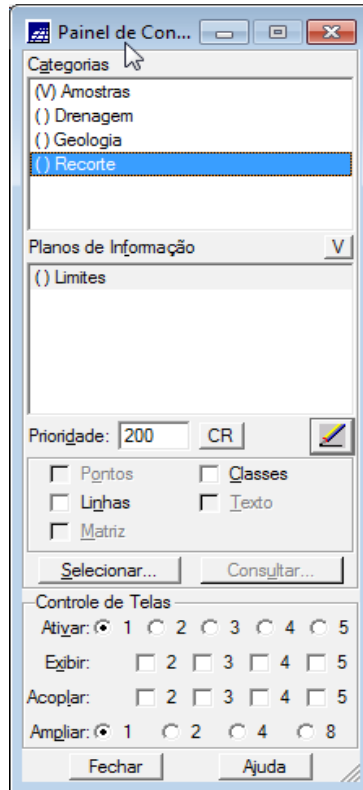


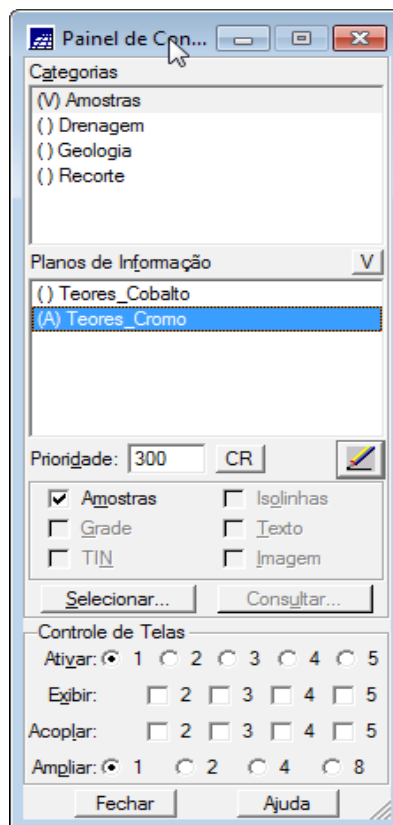
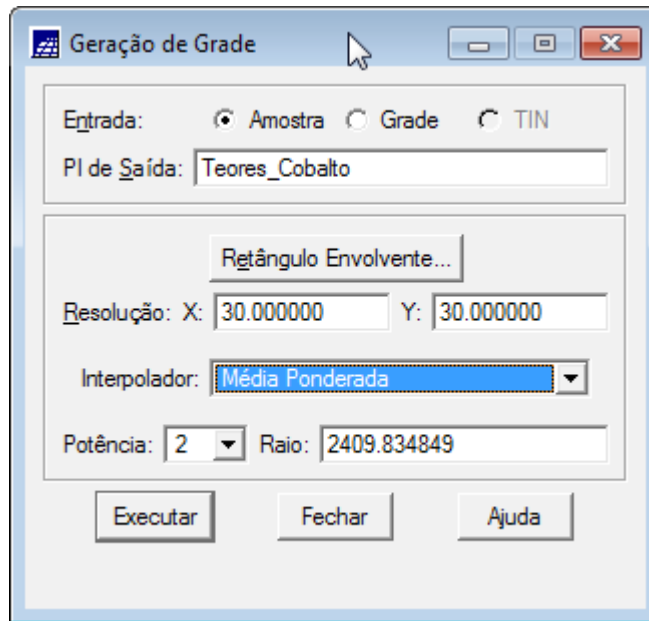


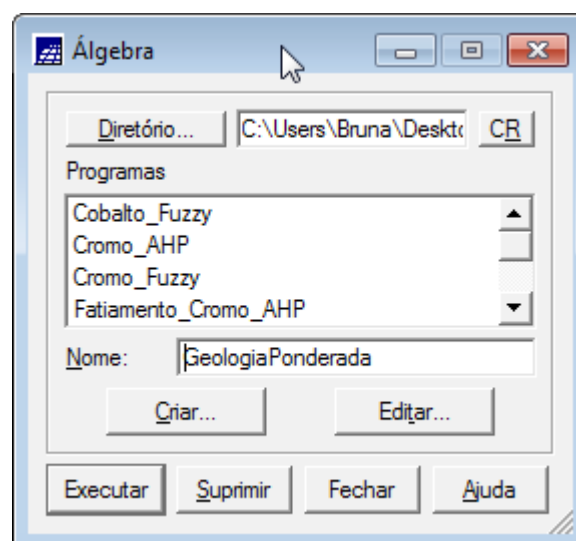
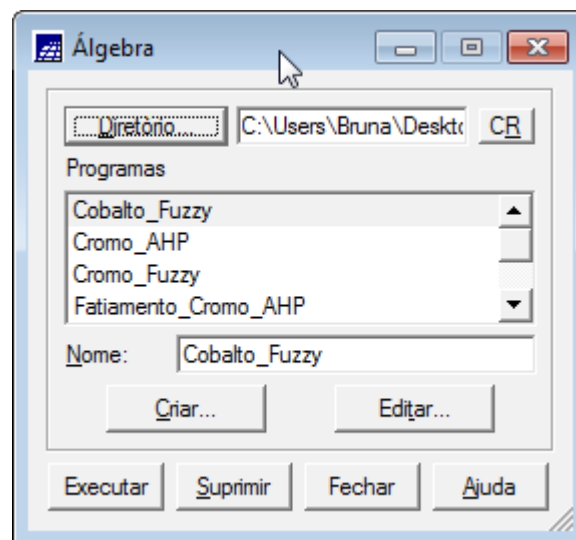
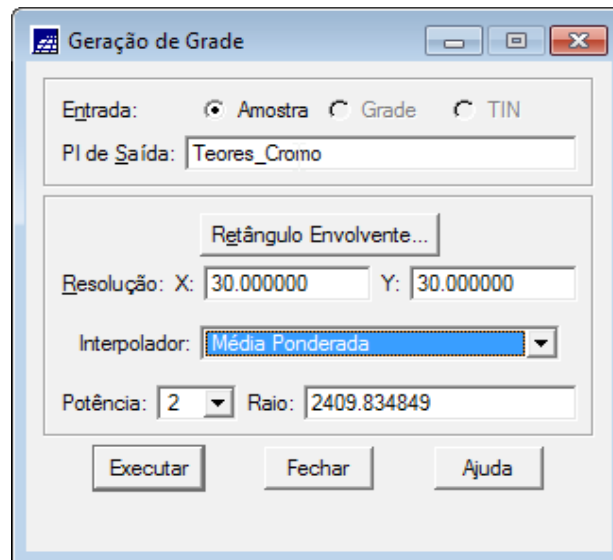


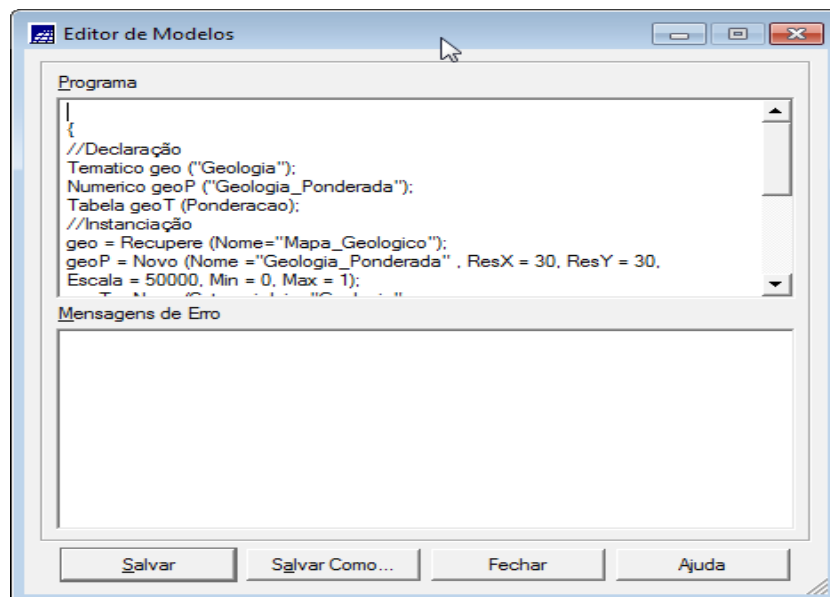
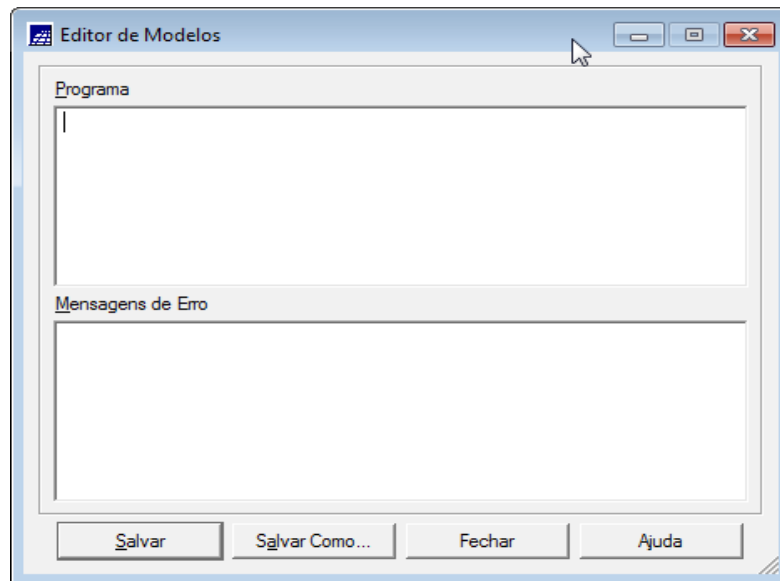


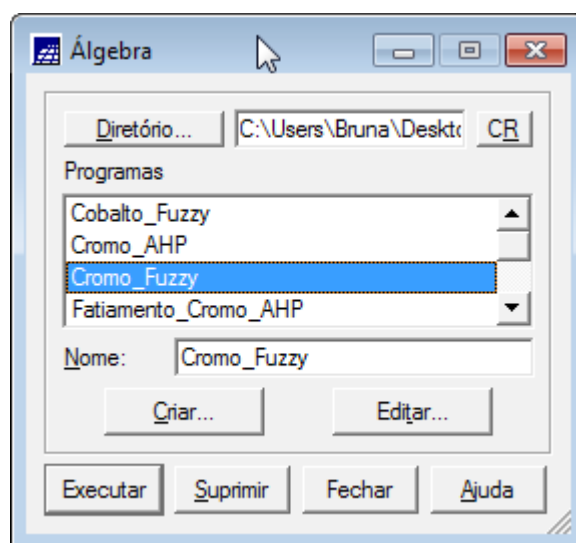
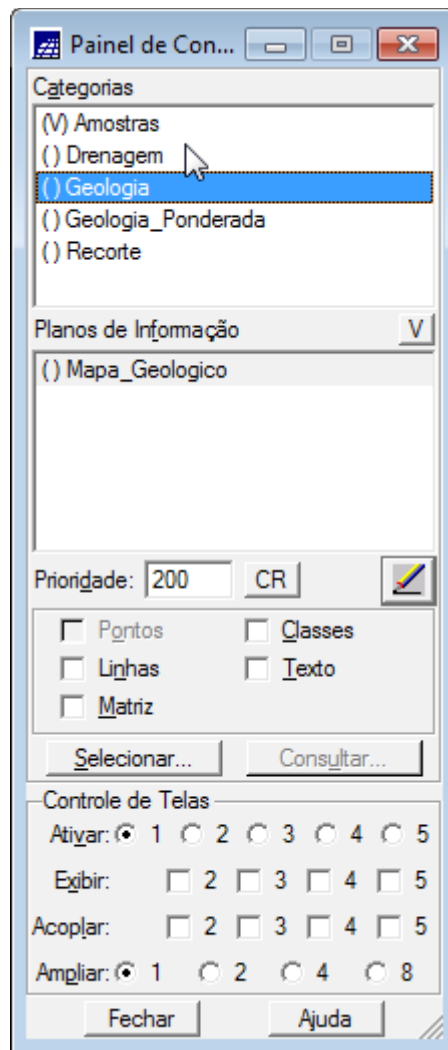


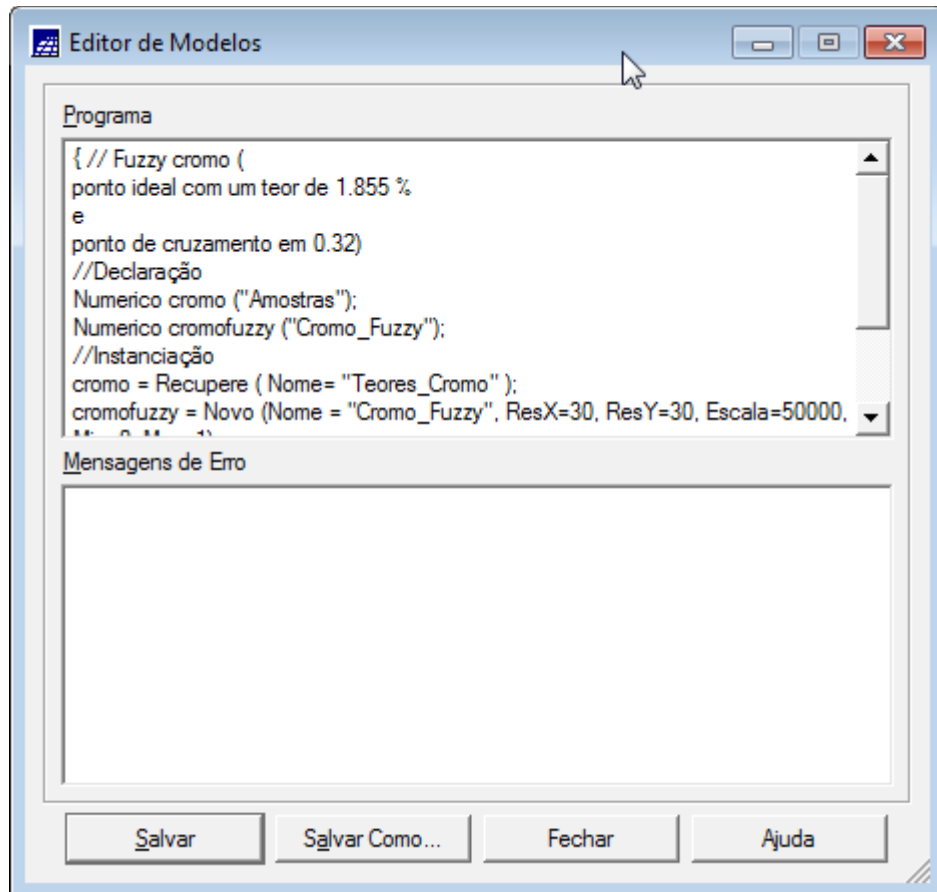


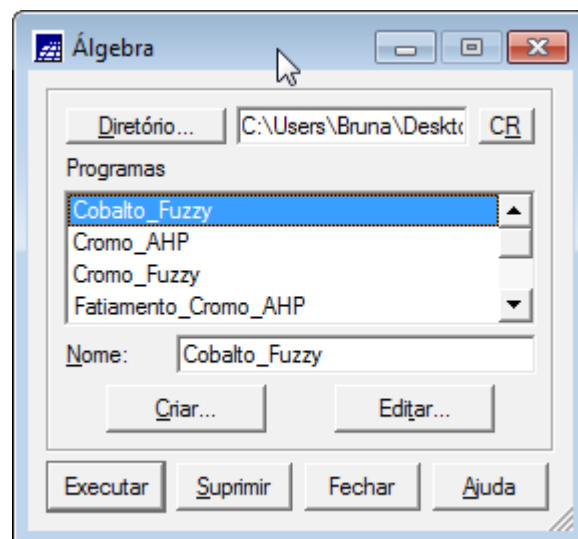
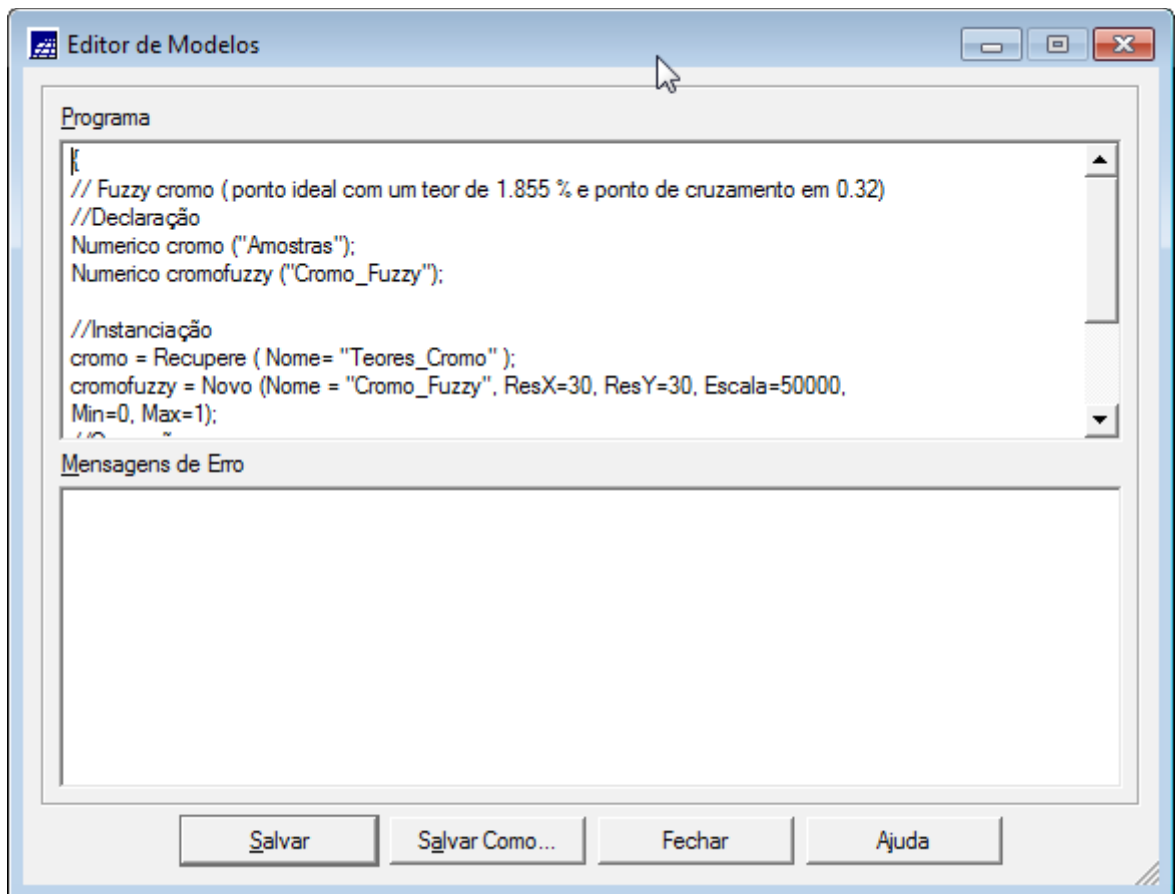


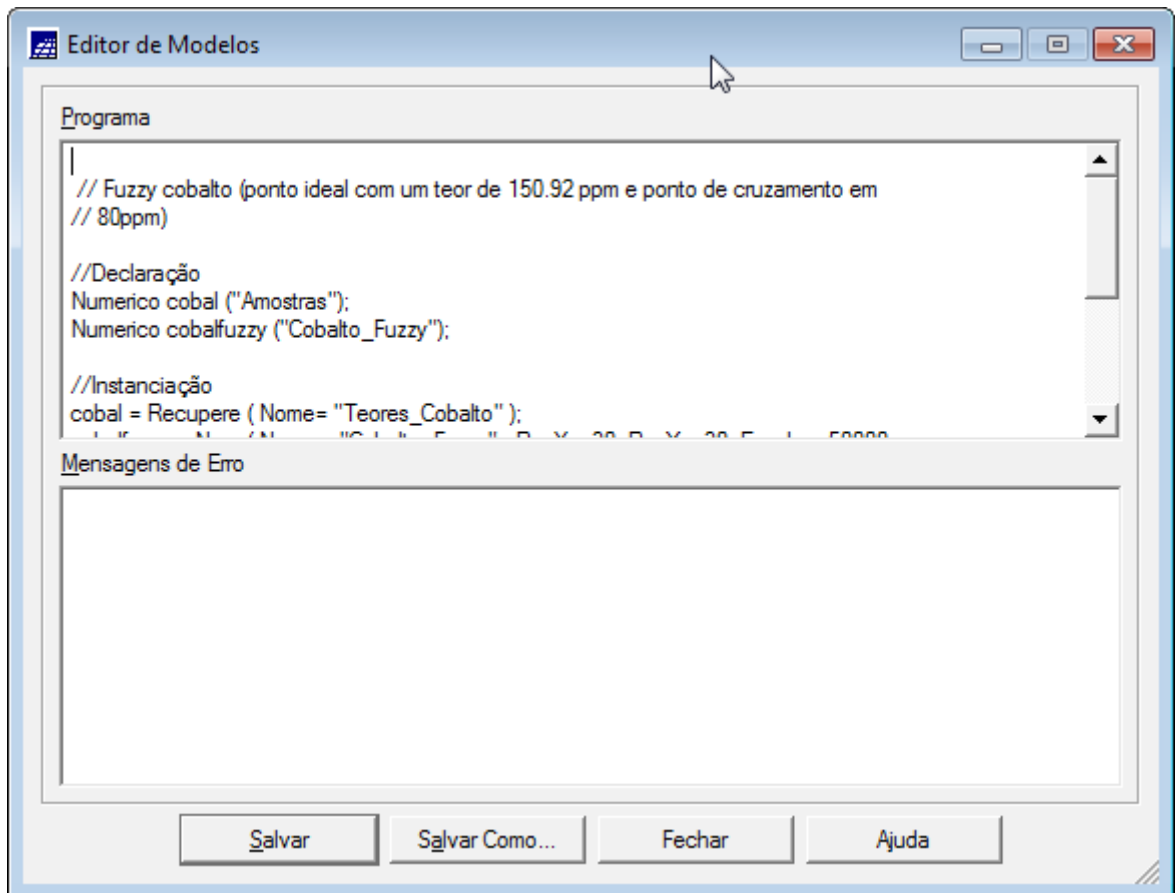
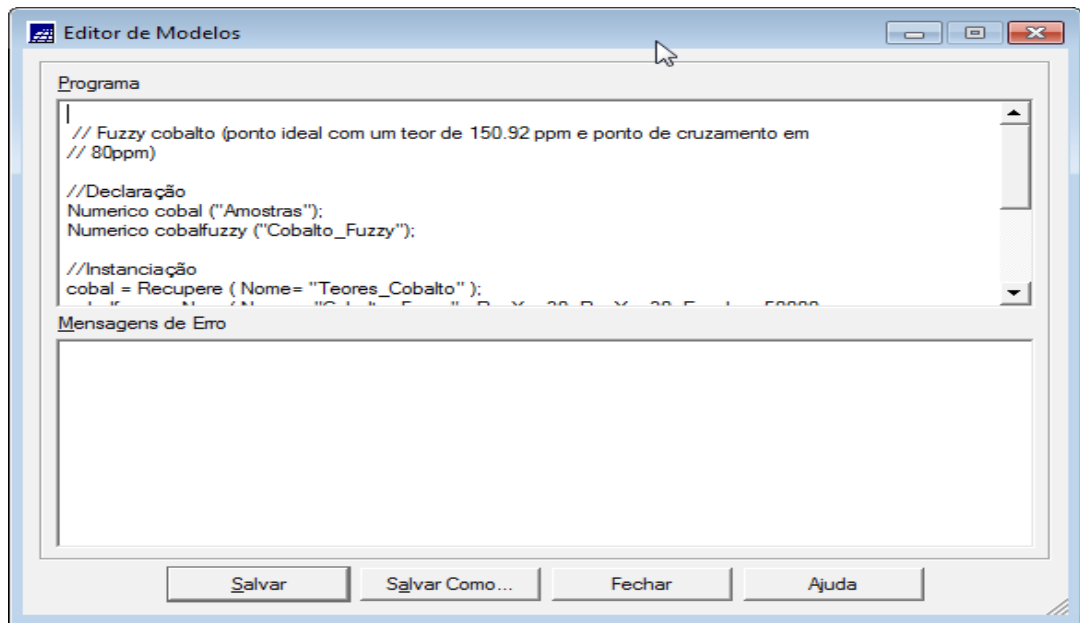


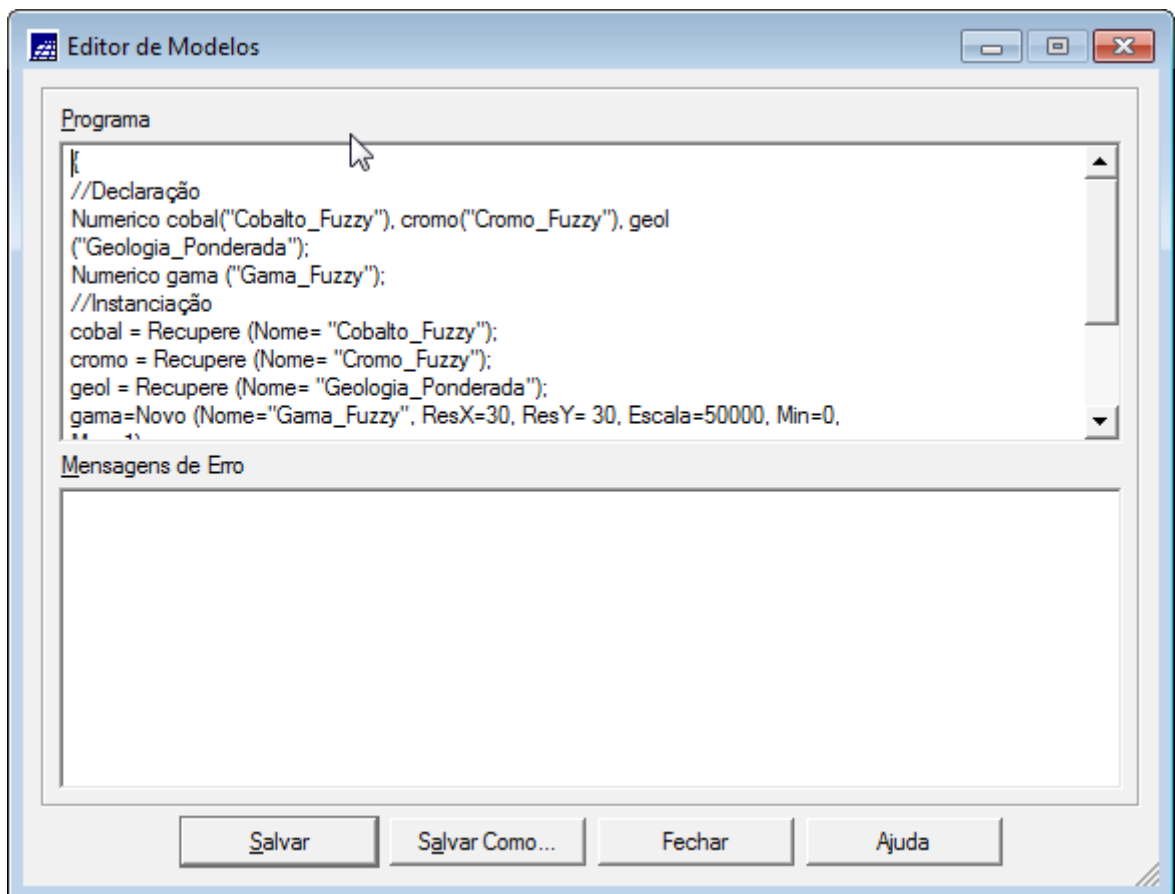
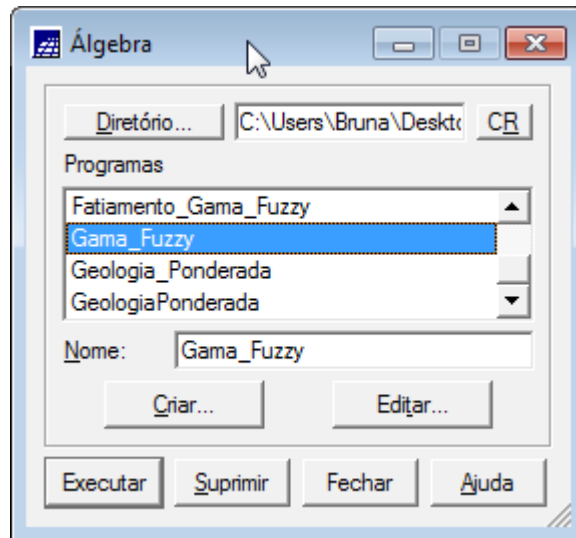


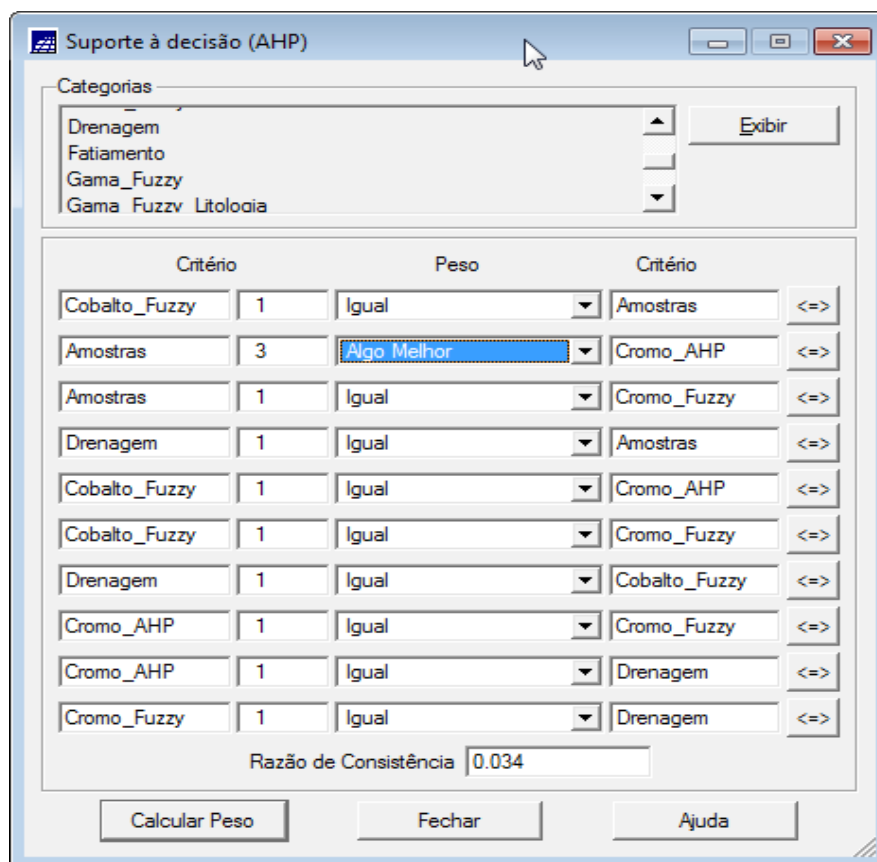
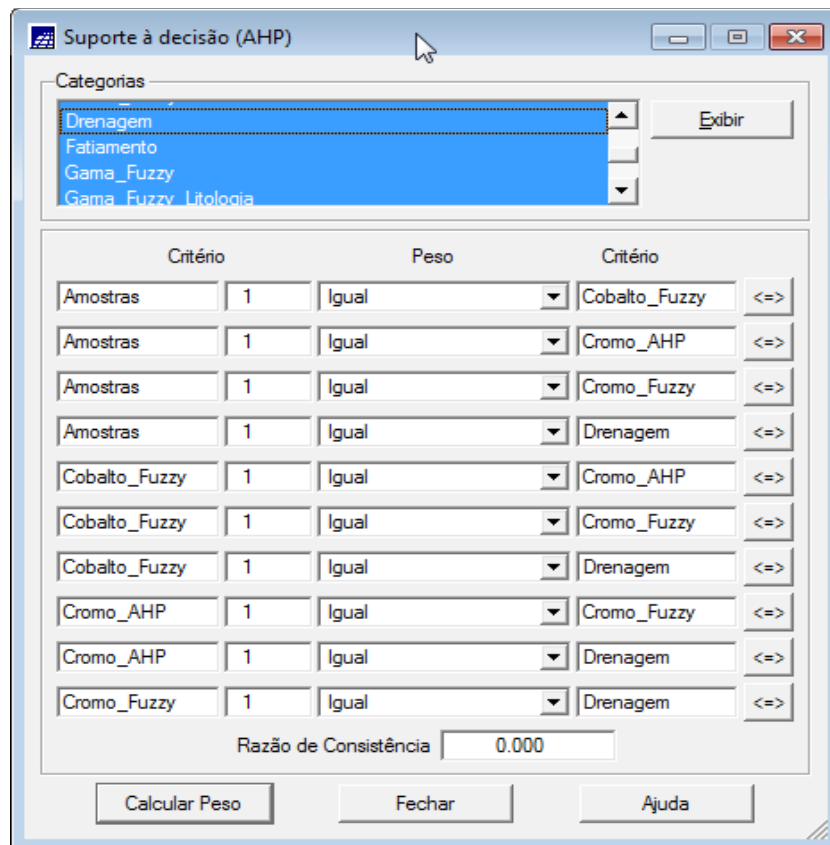


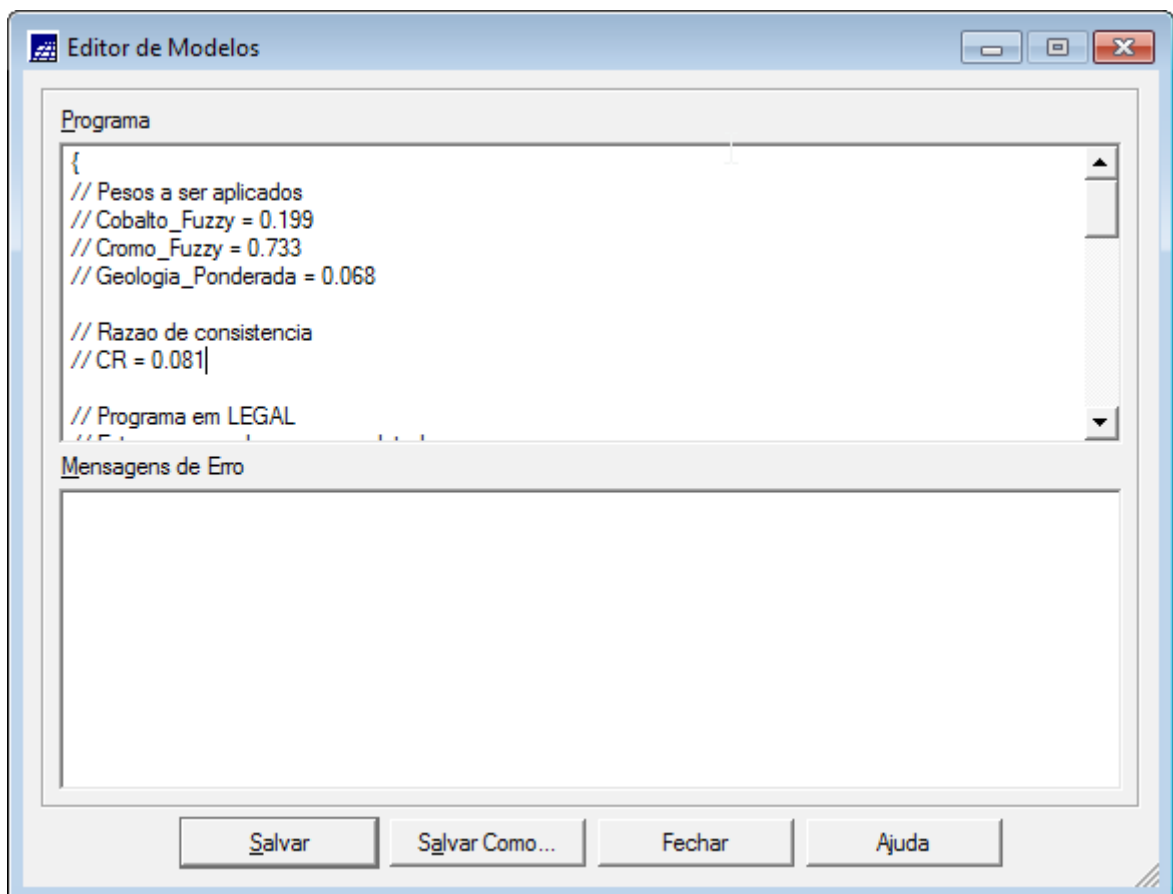
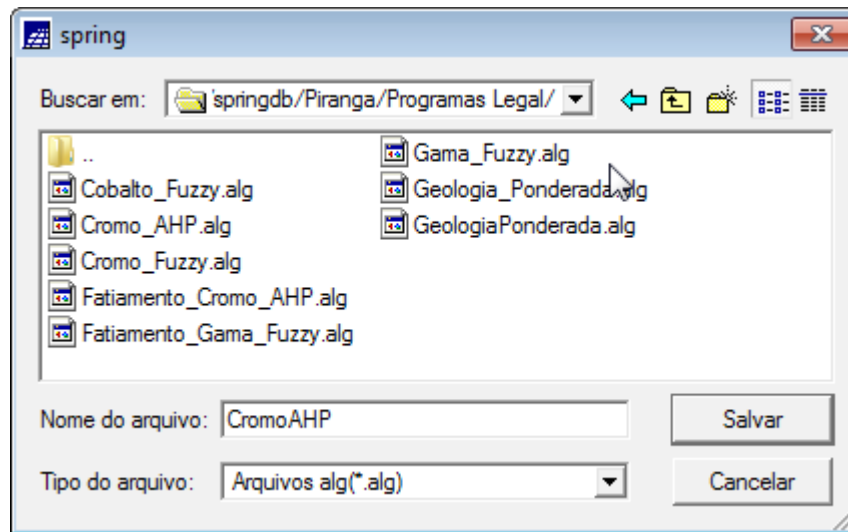


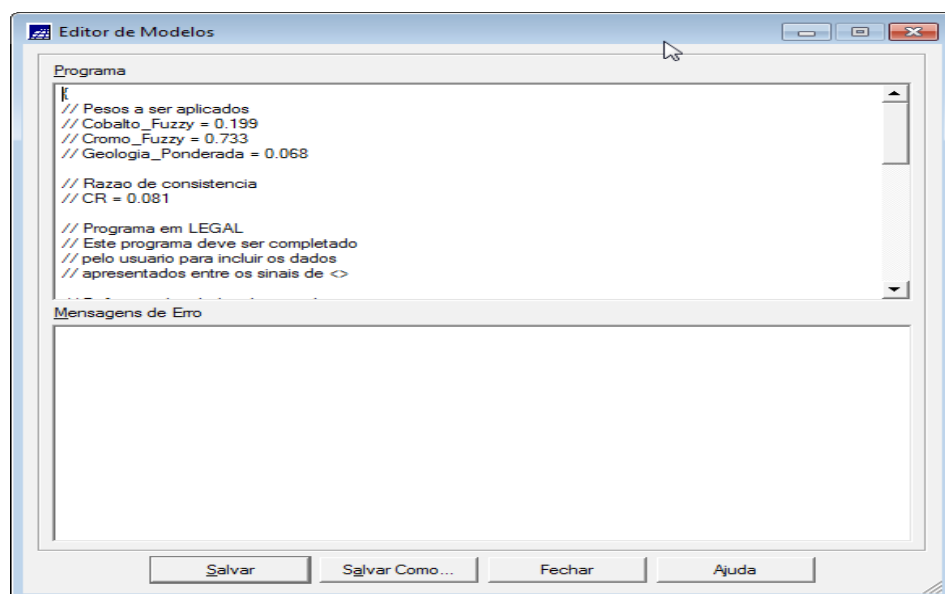
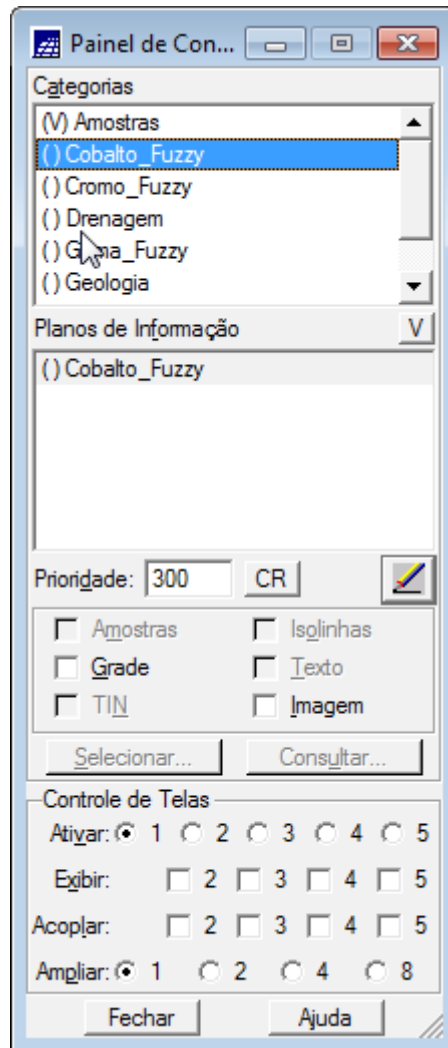


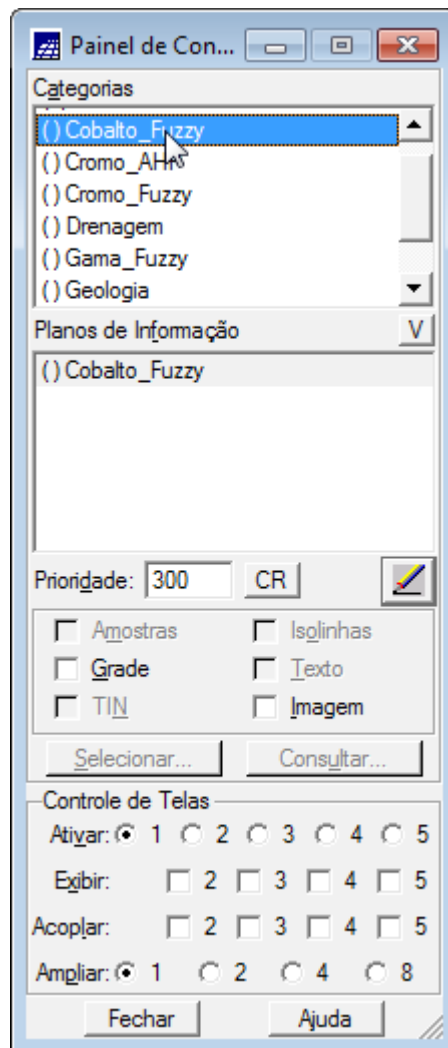
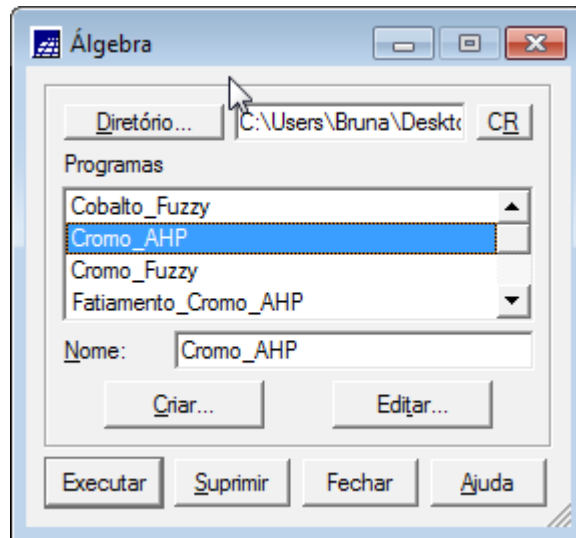


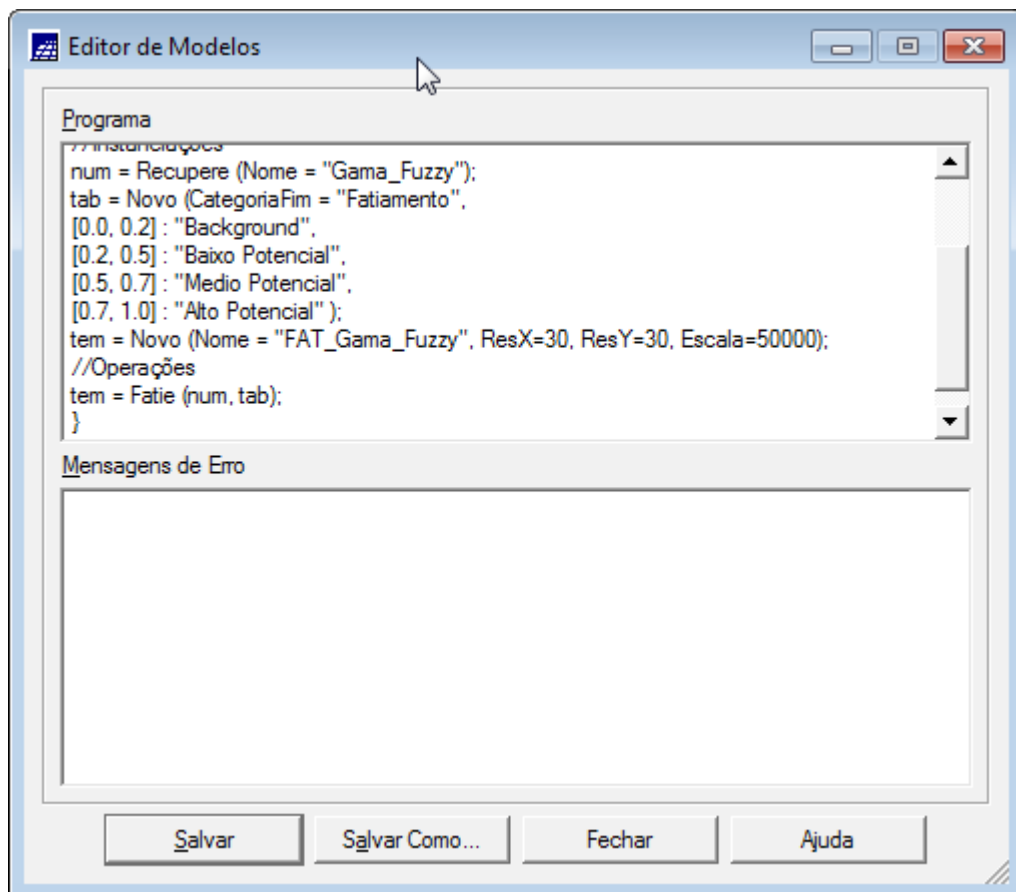
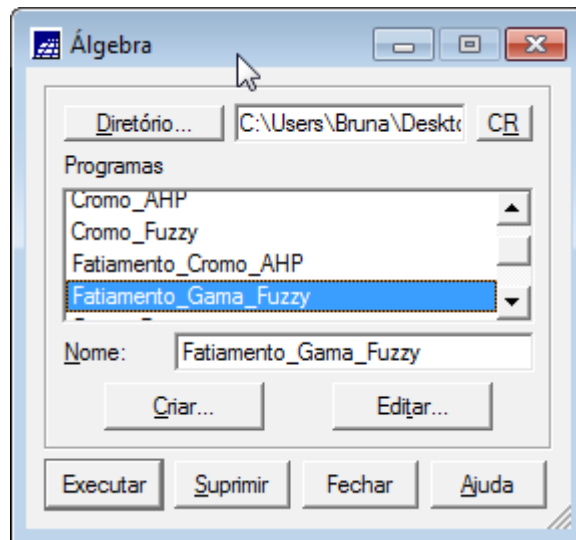


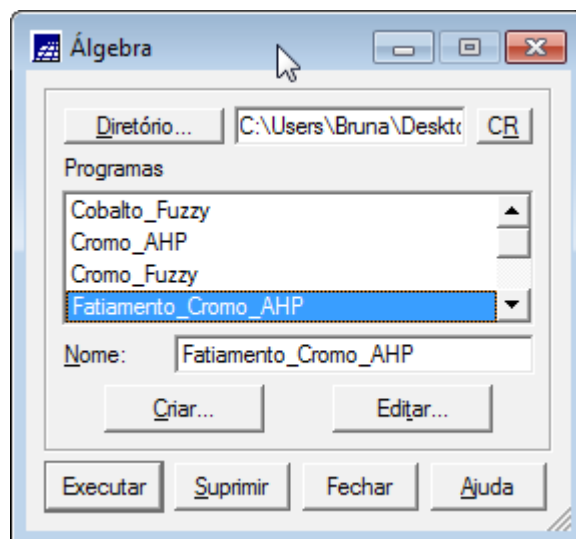
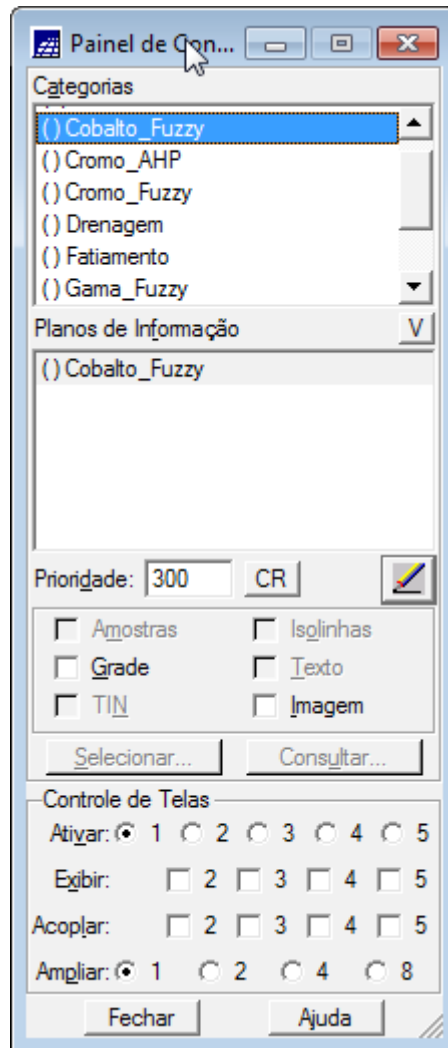


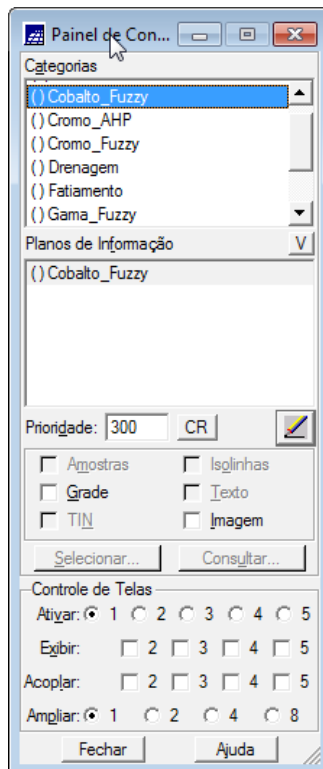
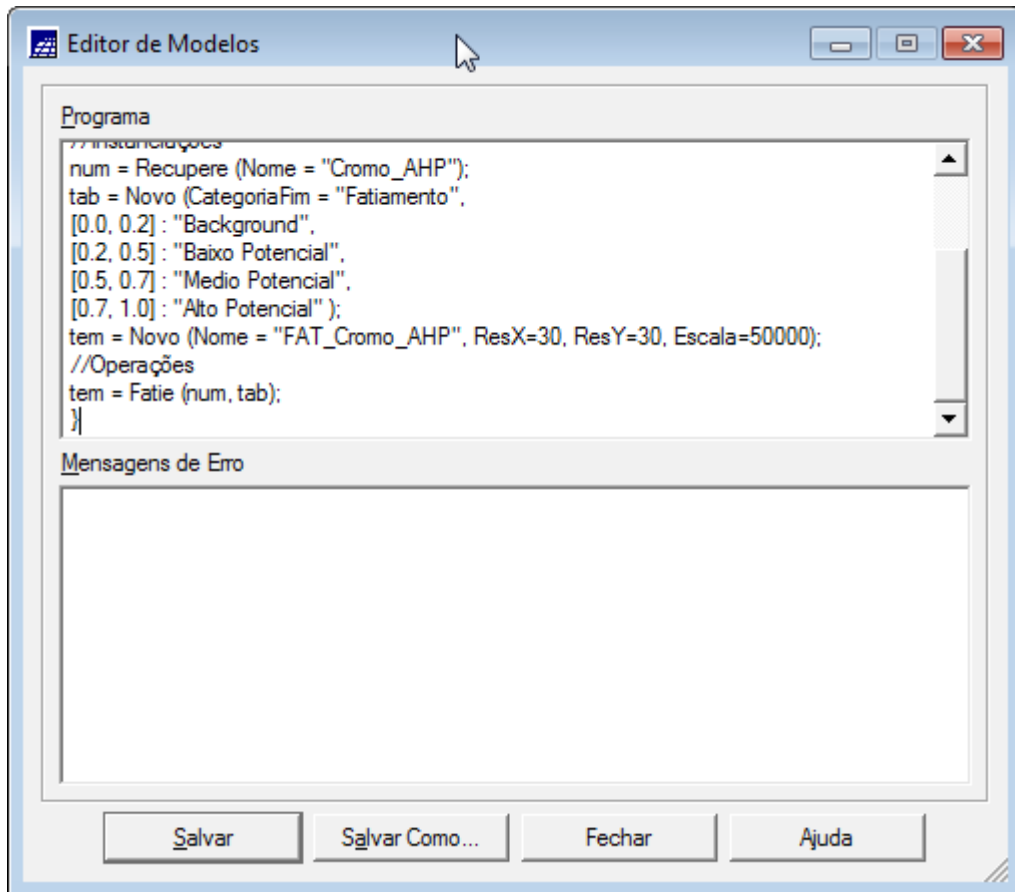


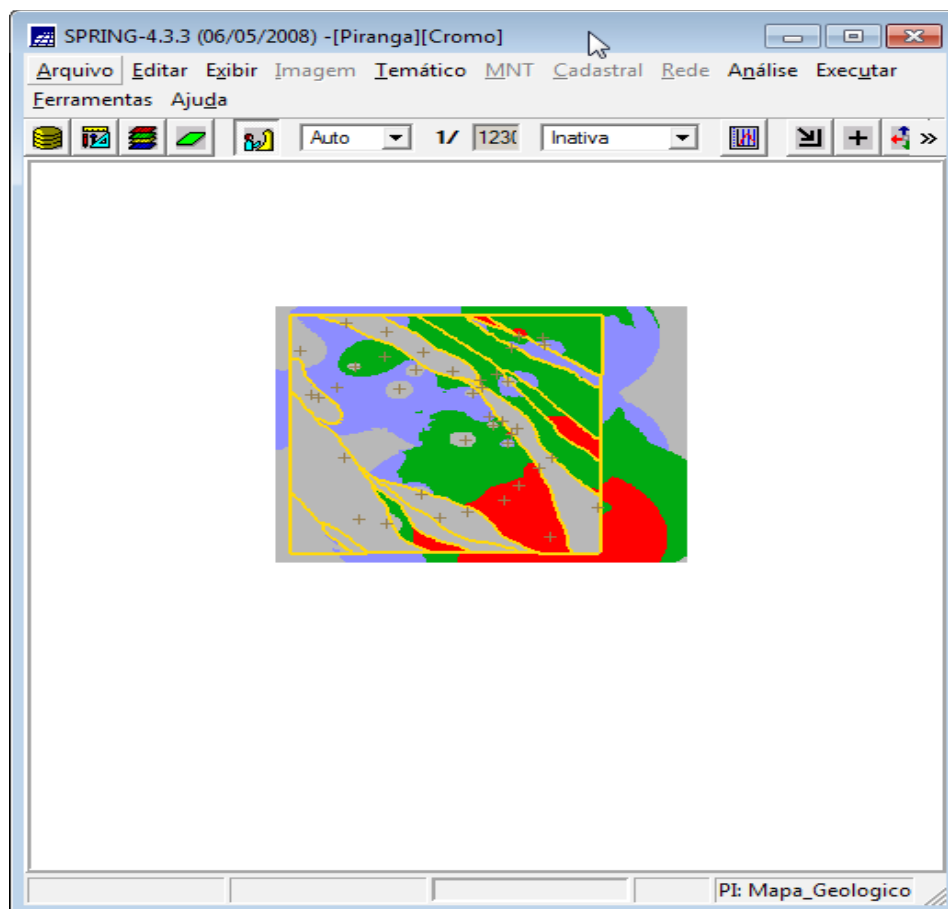
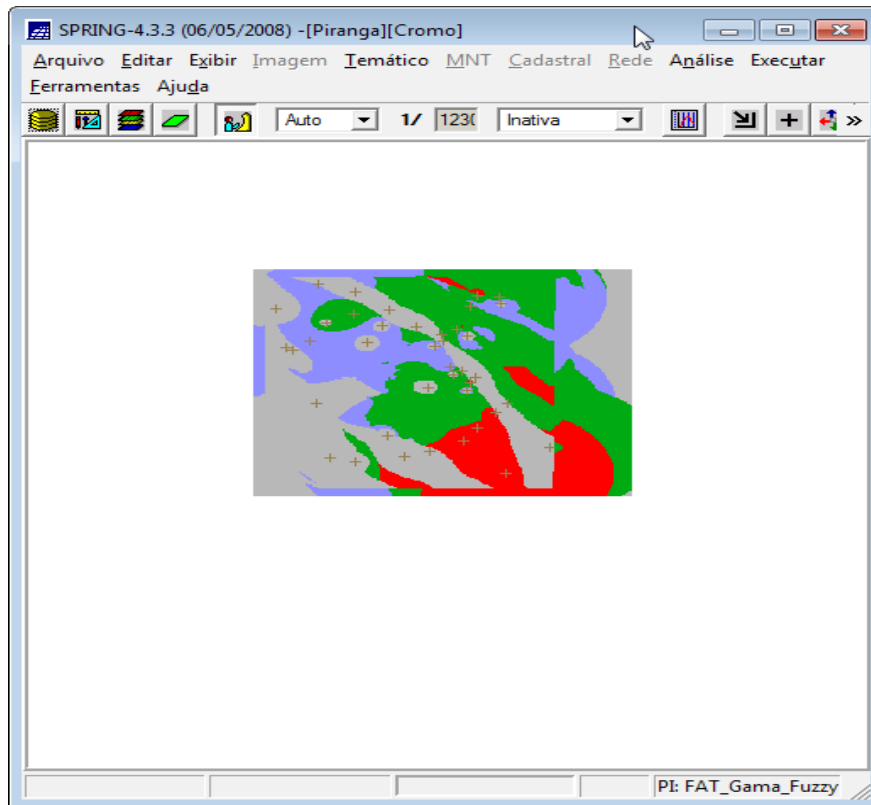


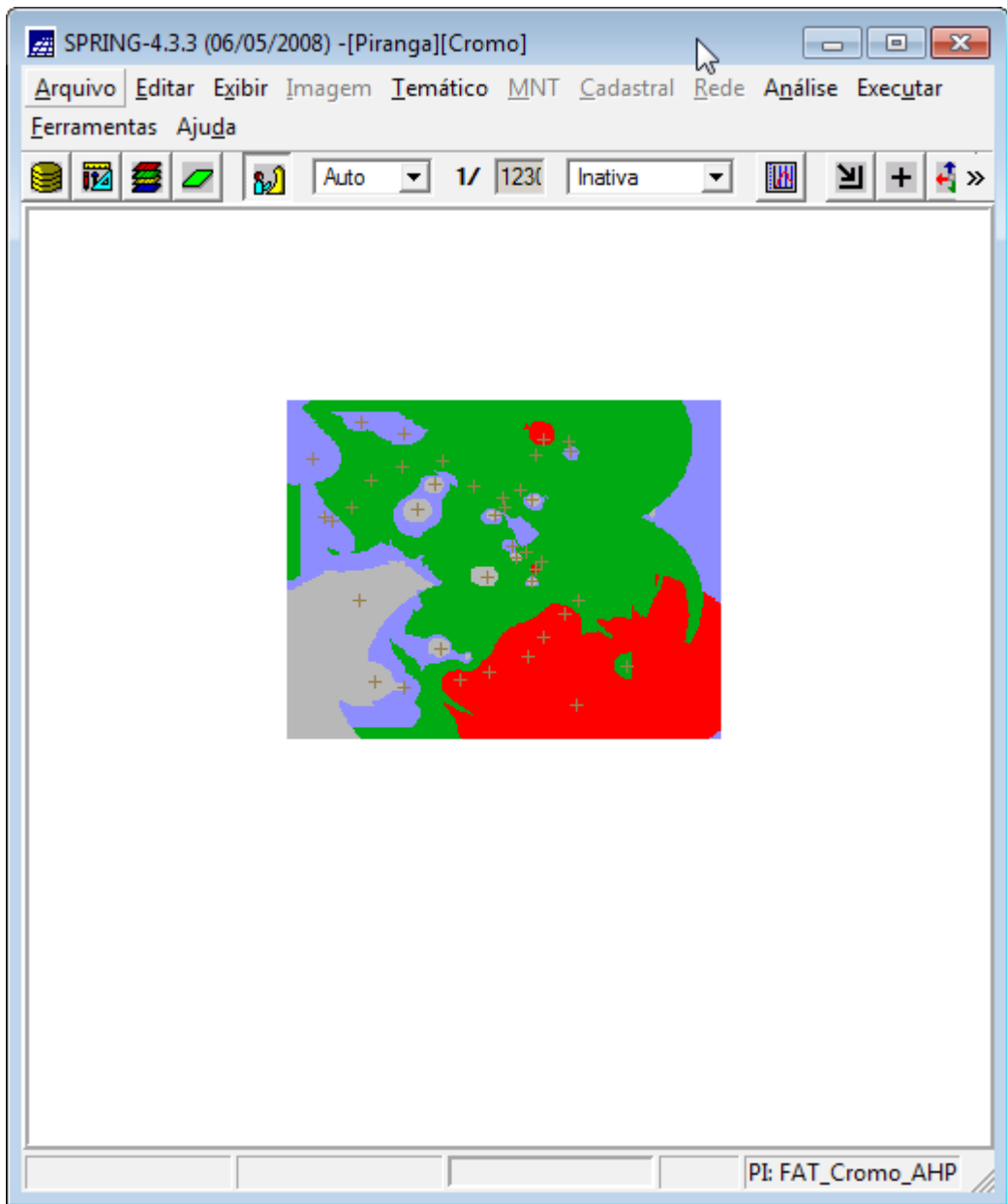


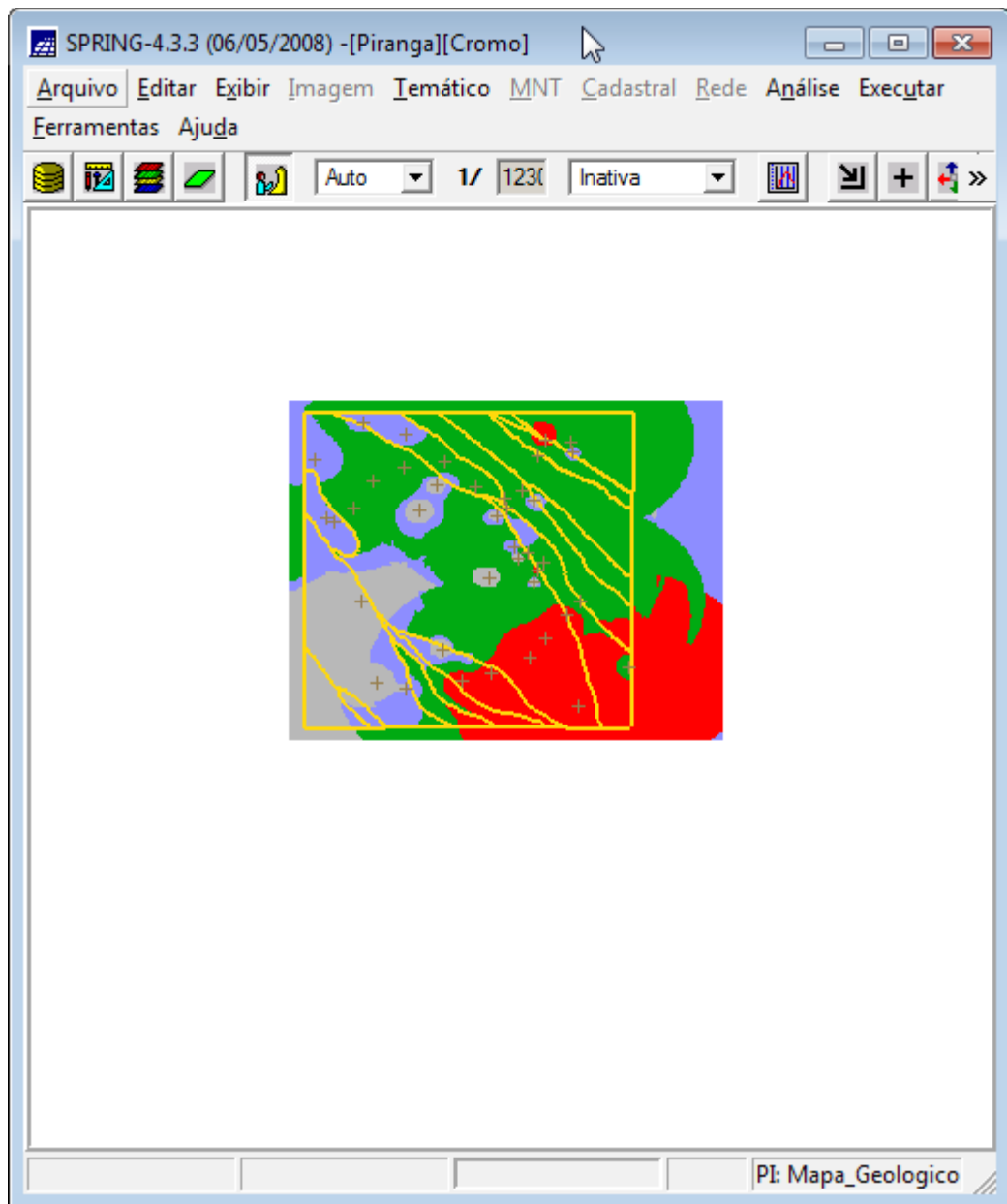












Observa-se que ambos métodos AHP e Fuzzy Gama geram resultados distintos. O mapa de geologia para AHP é um método mais favorecido pois demonstra algumas partes com alta ocorrência de chromo enquanto a outra técnica ignora esse fato.