



## **INTRODUÇÃO AO GEOPROCESSAMENTO**

### **LAB 4 – Álgebra de mapas**

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**1. Ativar Banco de Dados**

**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.**

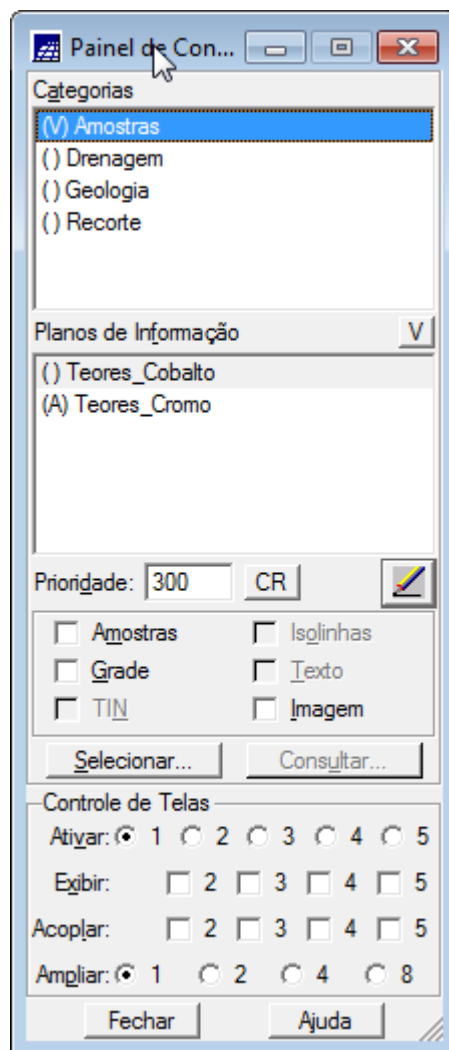
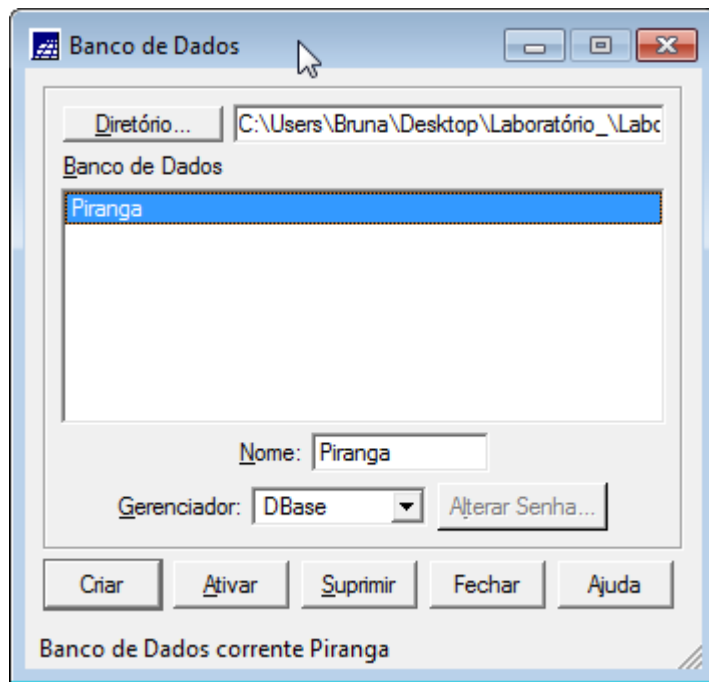
**6. Cruzar os PI's Cromo\_Fuzzy e Cobalto\_Fuzzy utilizando a função Fuzzy Gama.**

**7. Criar o PI Cromo\_AHP utilizando a técnica de suporte à decisão AHP (Processo Analítico Hierárquico).**

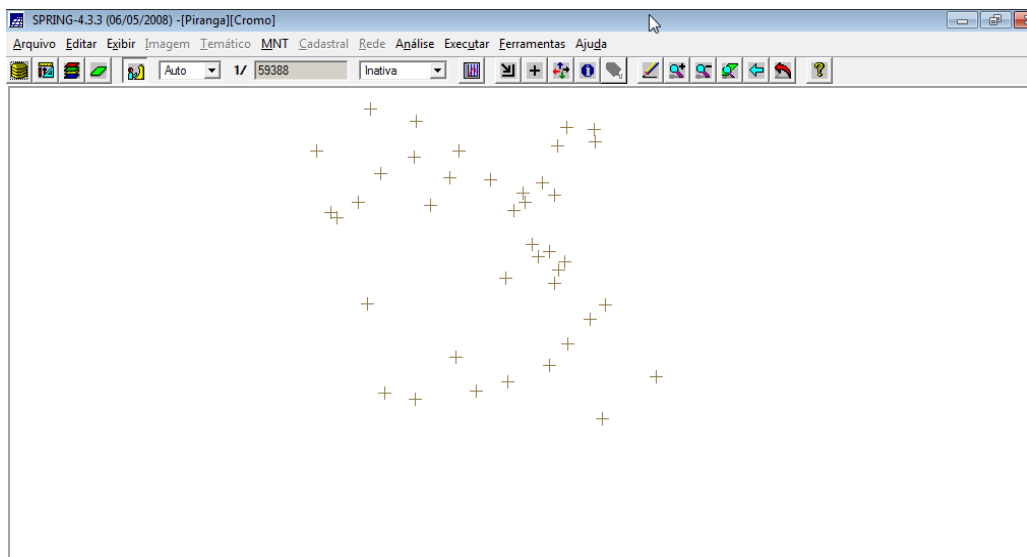
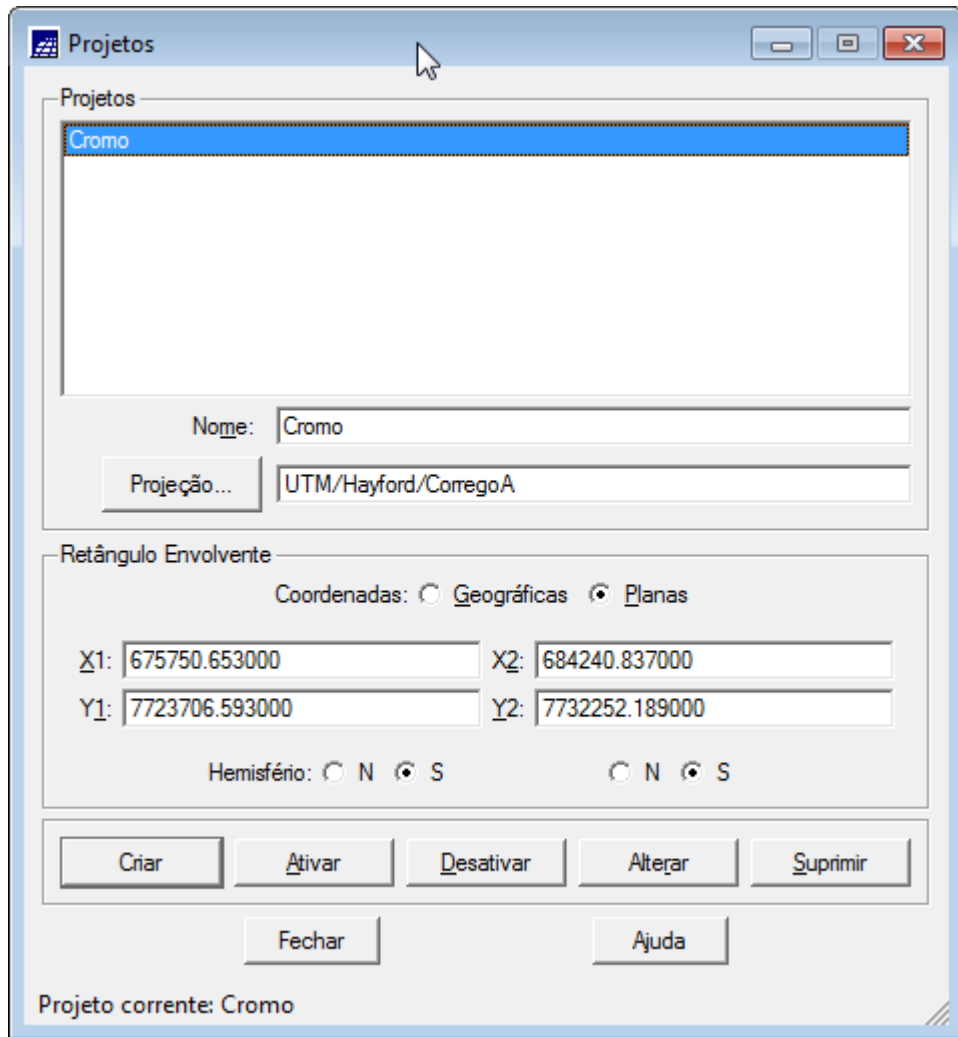
**8 – Realizar o Fatiamento no Geo-Campo Gama\_Fuzzy.**

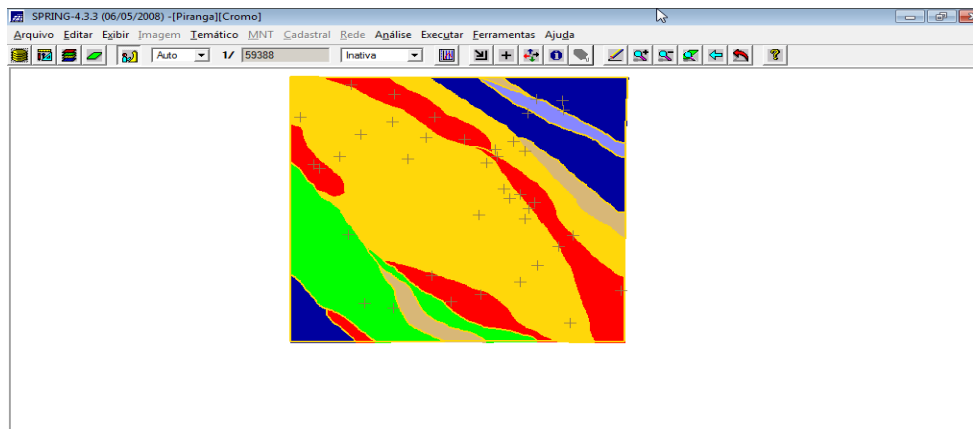
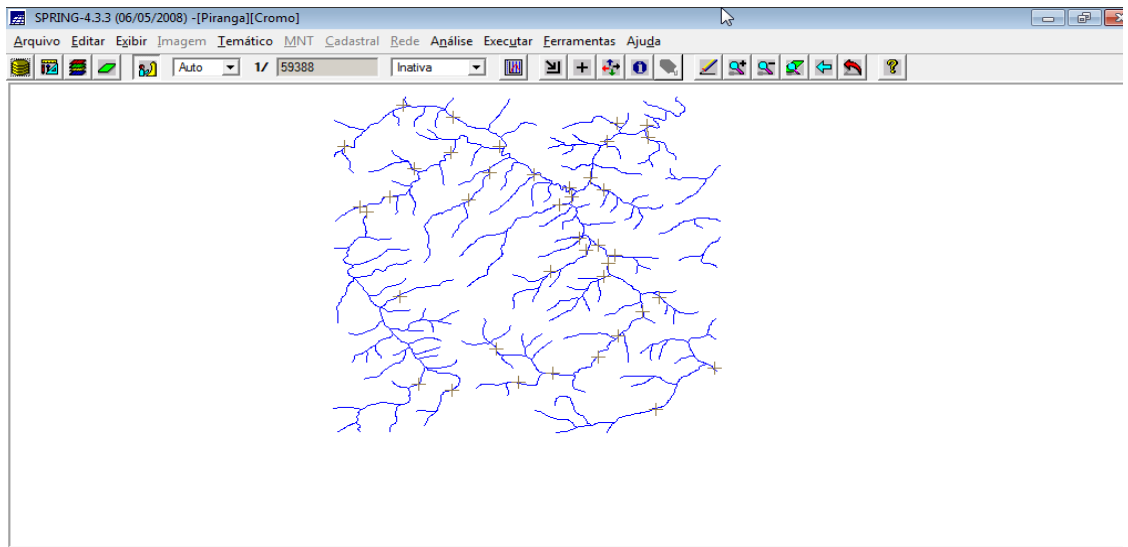
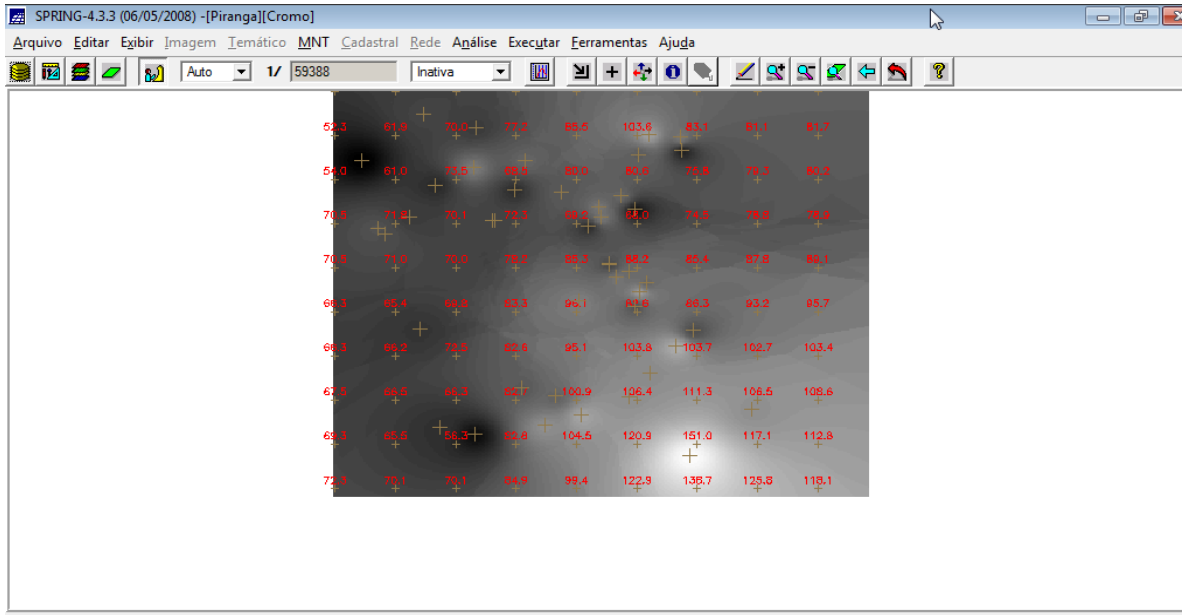
**9 – Realizar o Fatiamento no Geo-Campo Cromo\_AHP.**

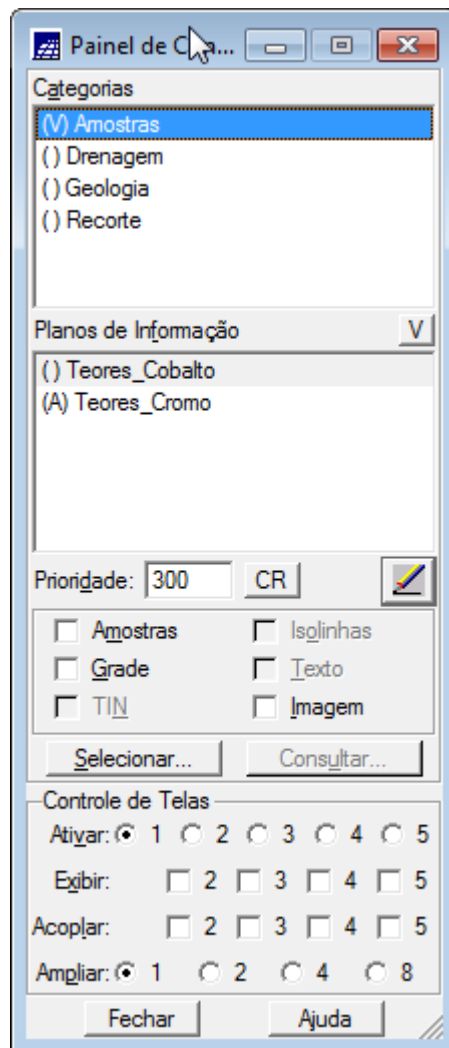
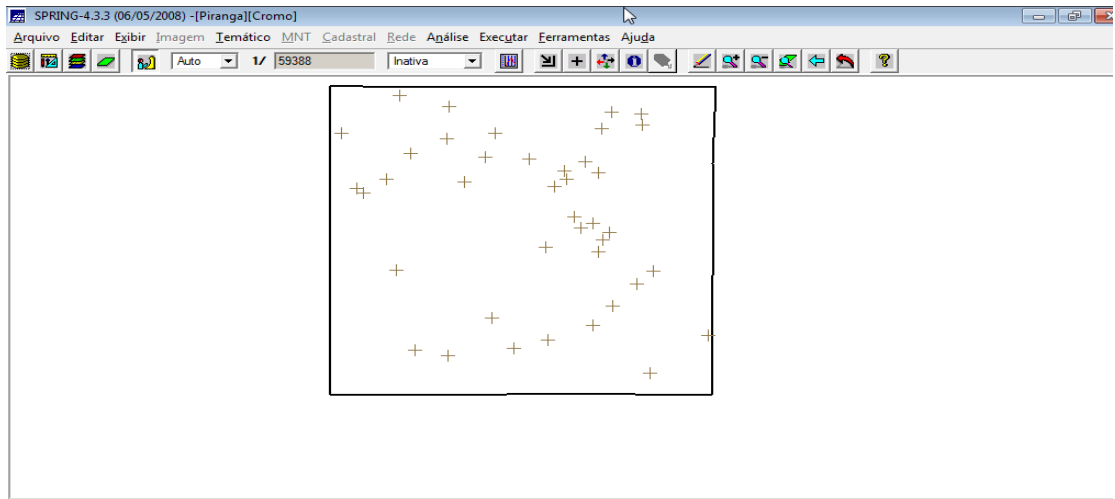
**10- Etapa Final: Apresente e Analise os Mapas de Potencialidade de Cromo gerados pelas técnicas AHP e Fuzzy Gama.**



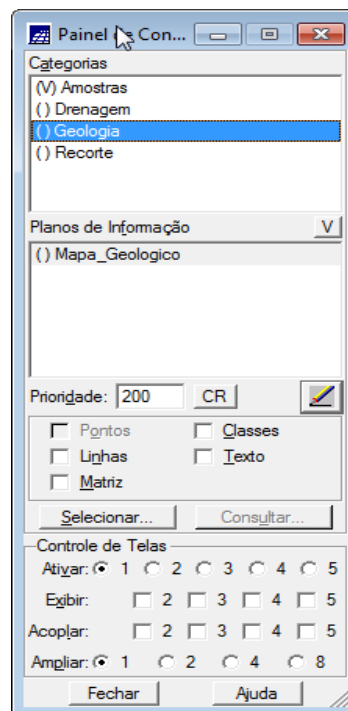
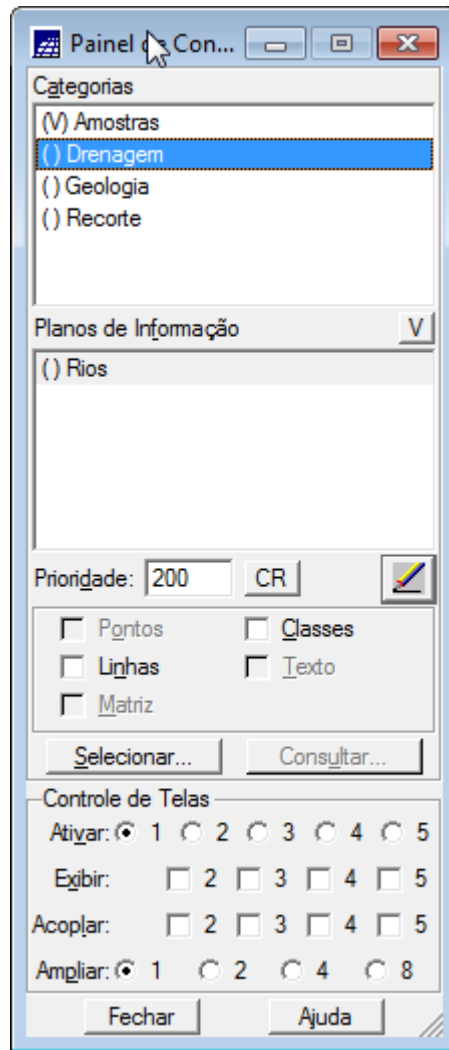




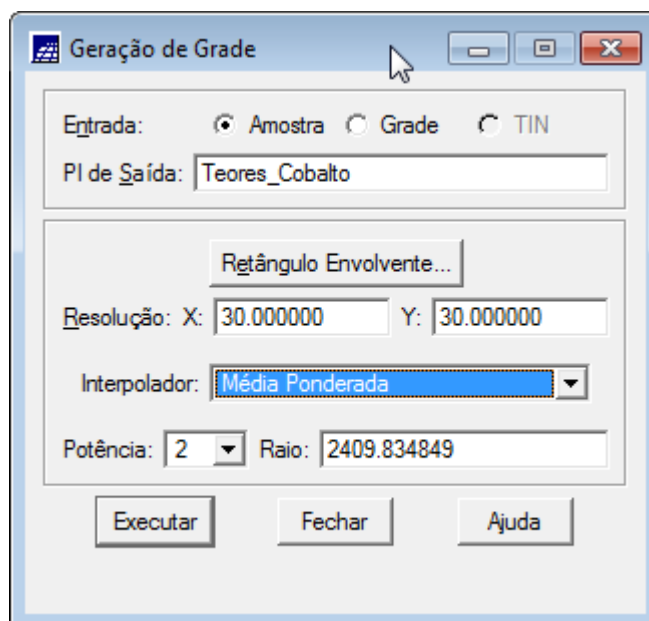
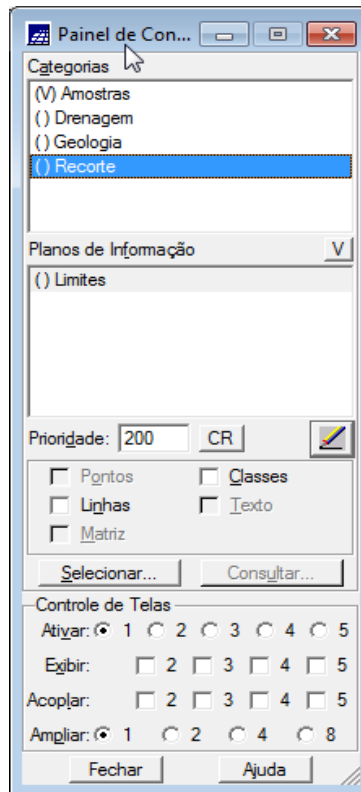


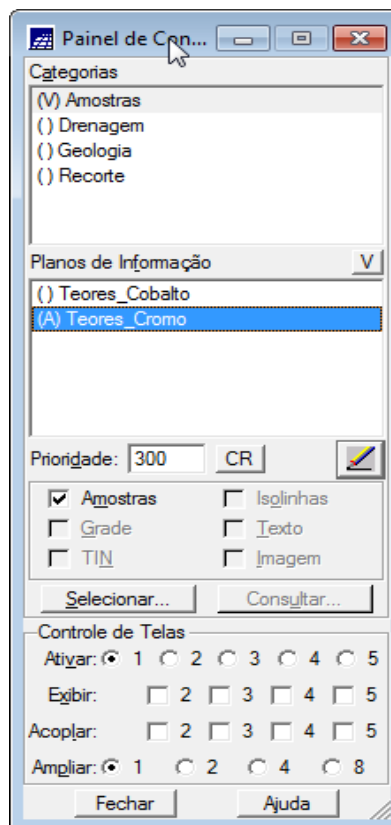
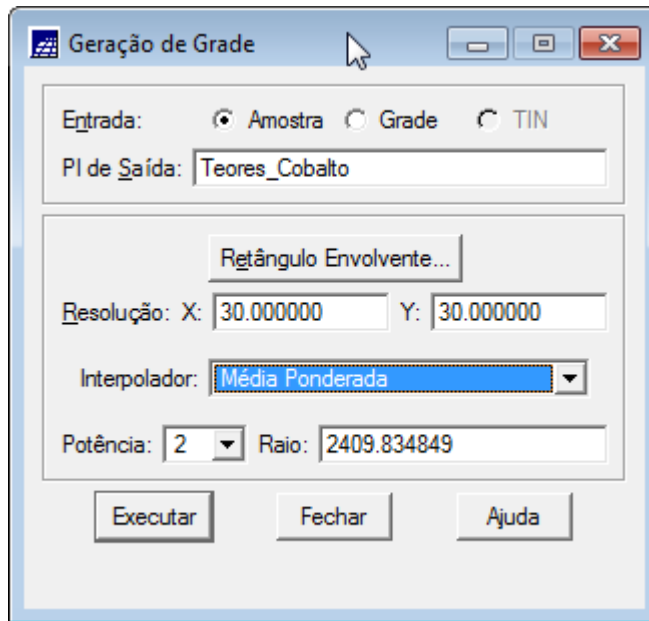


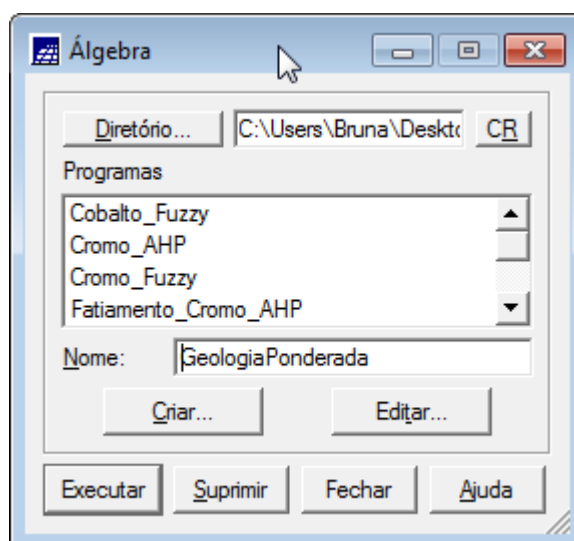
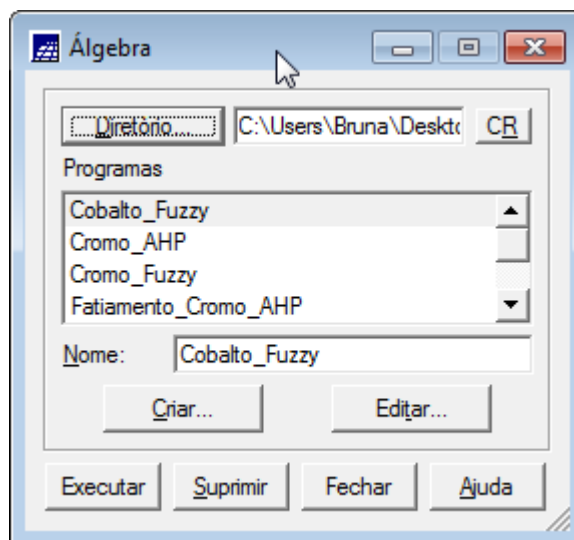
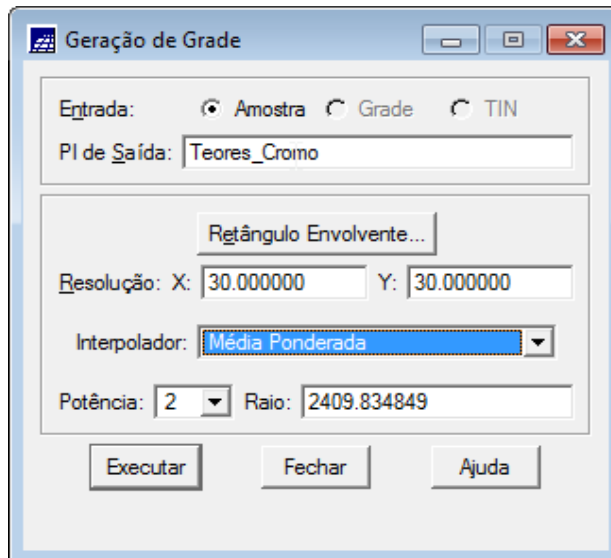


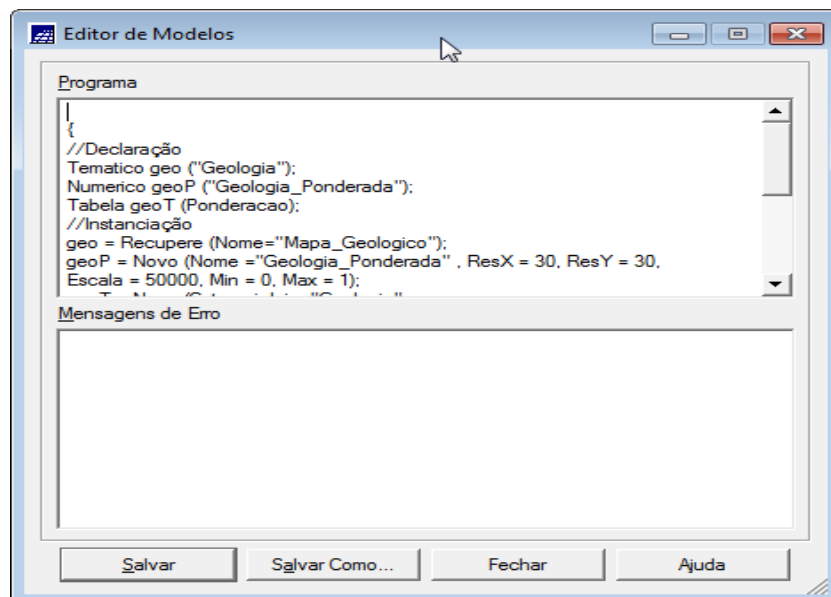
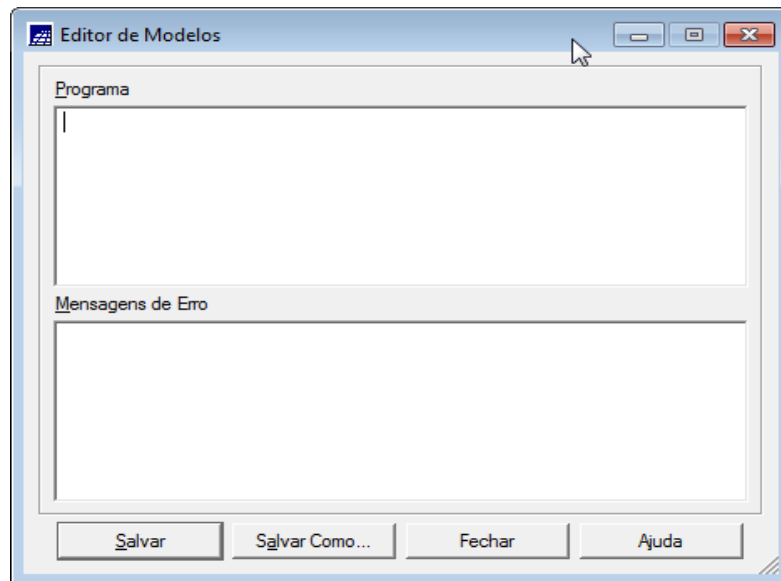


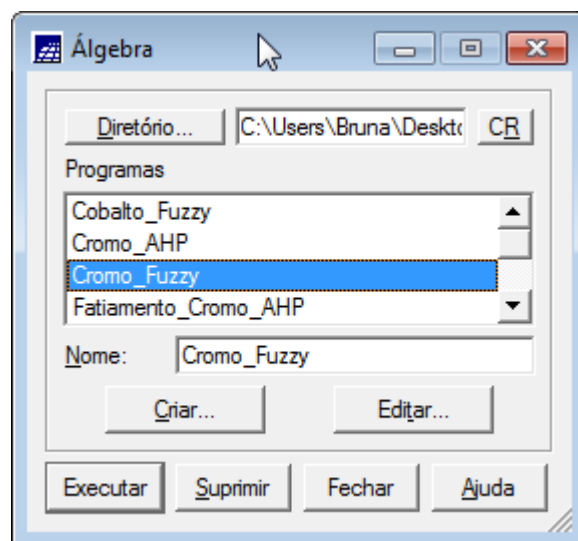
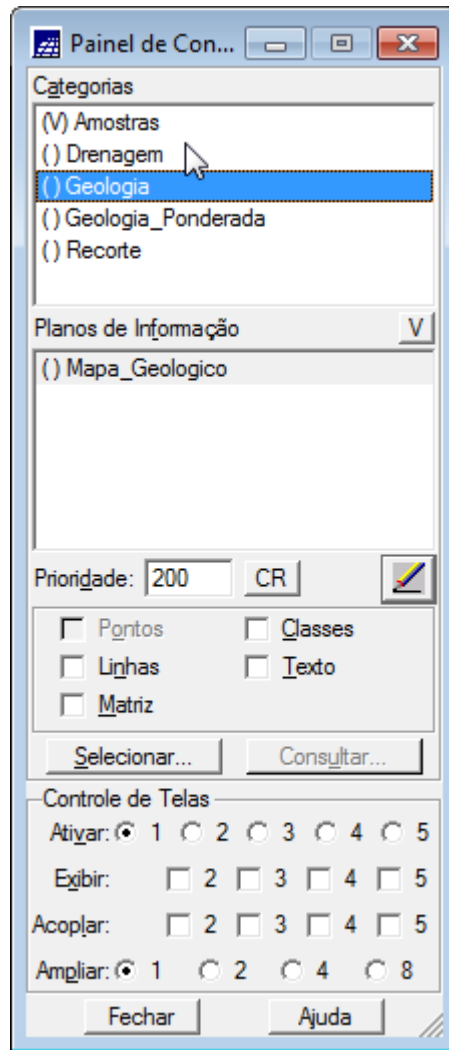


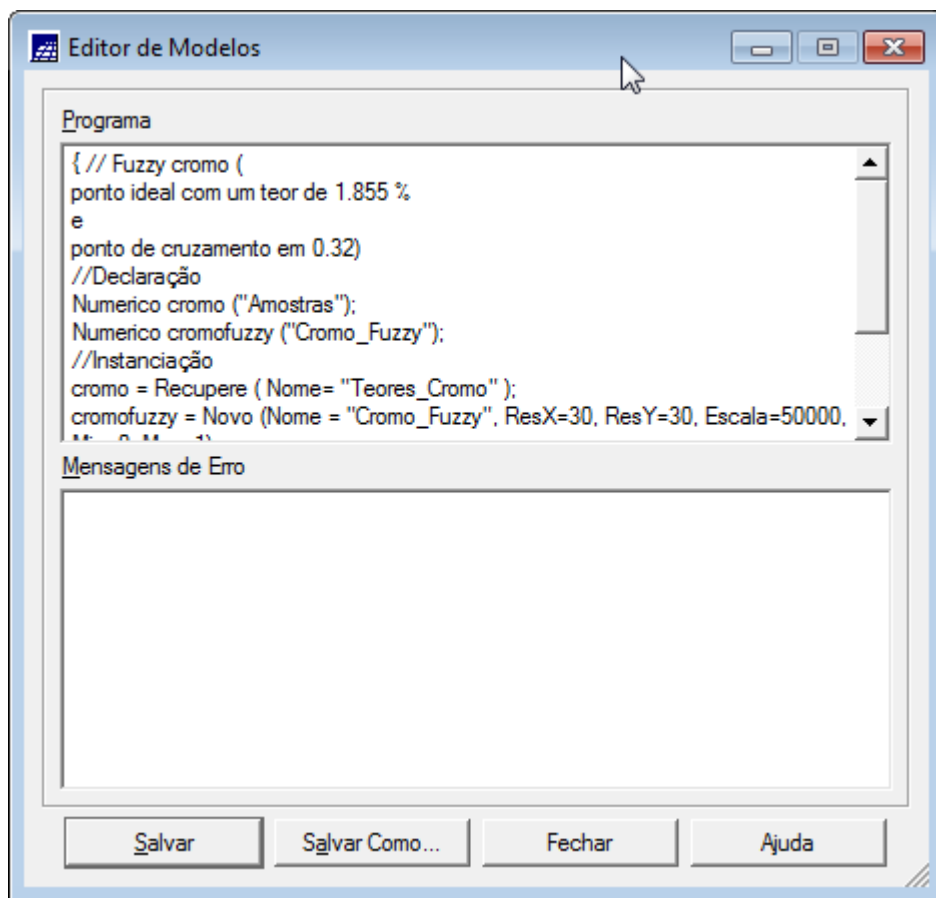


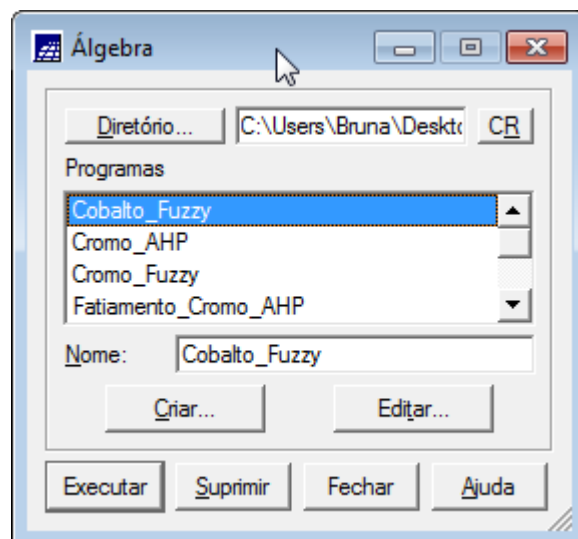
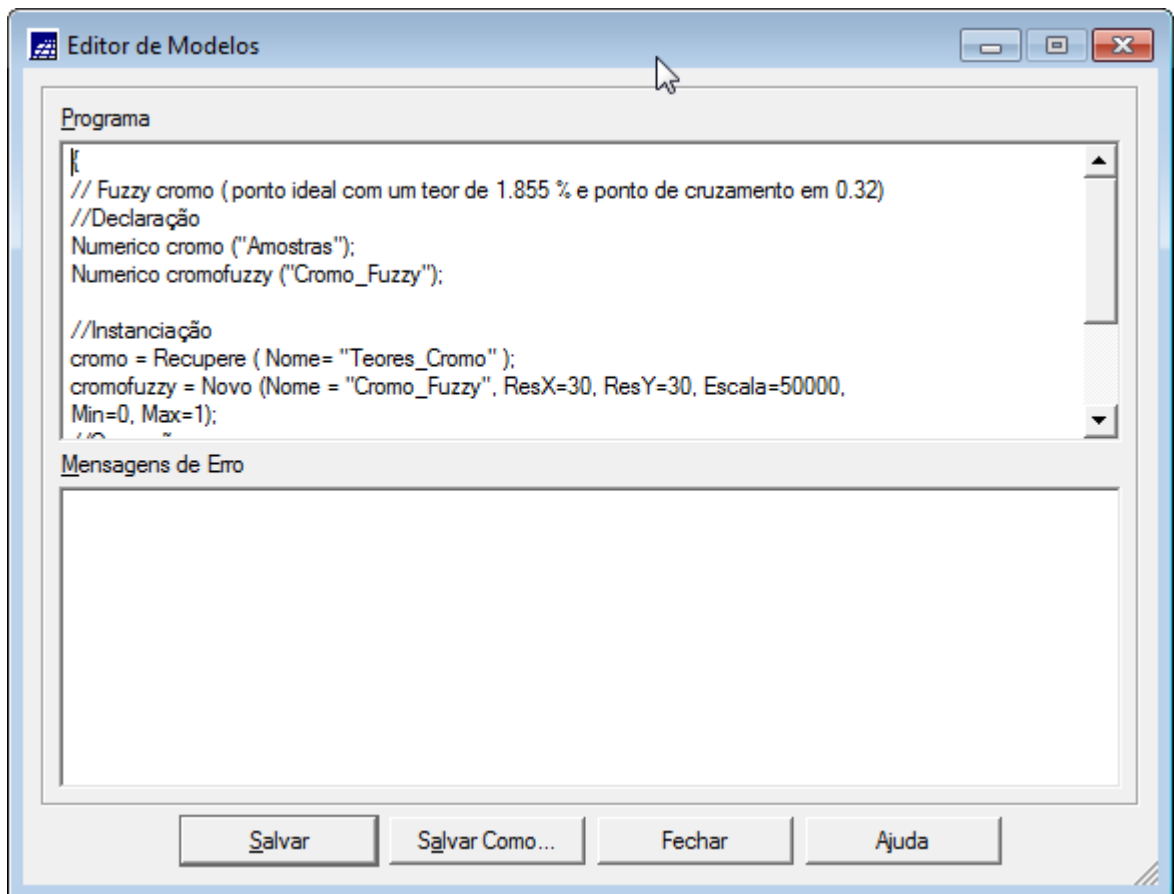


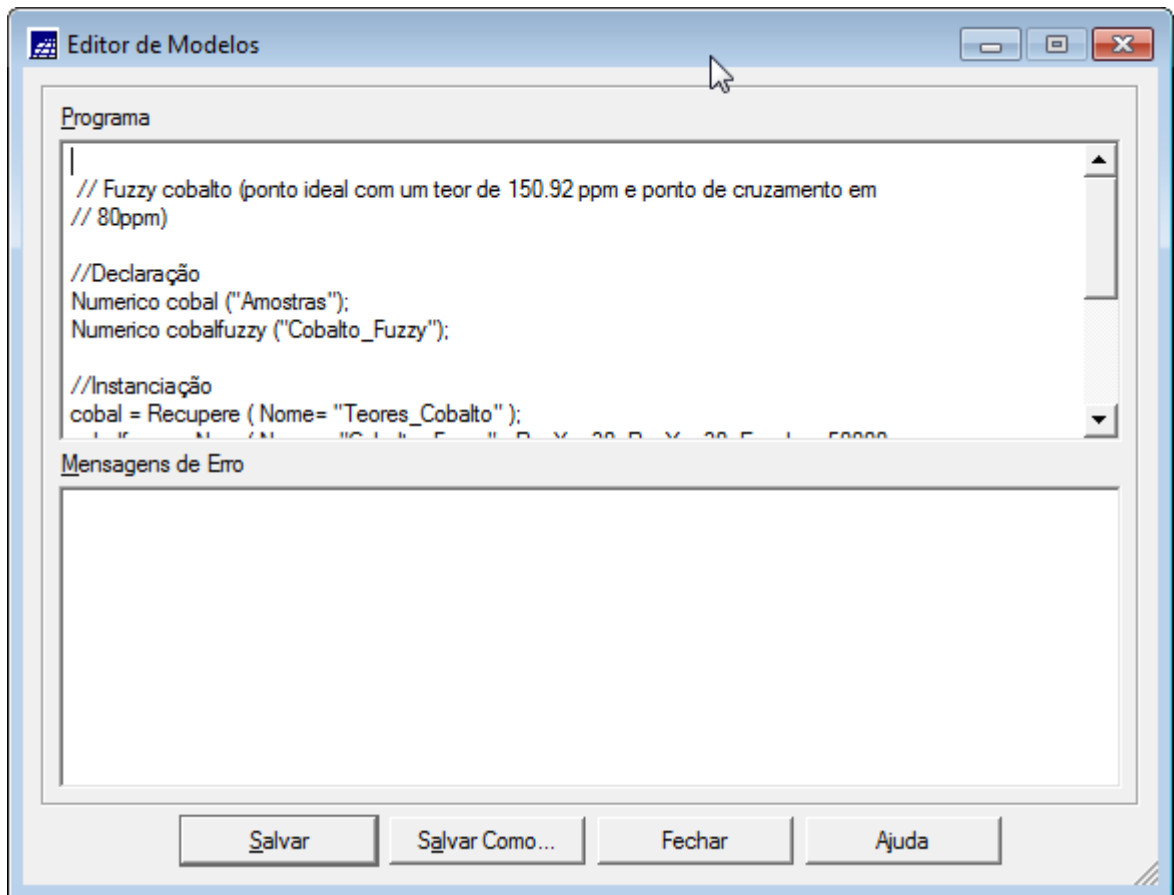
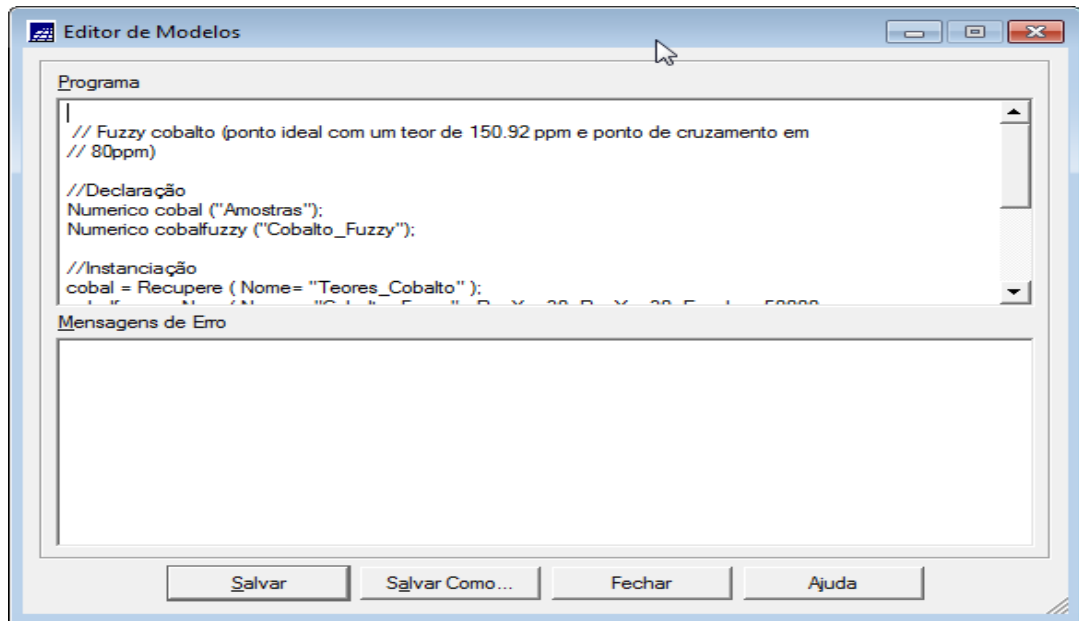




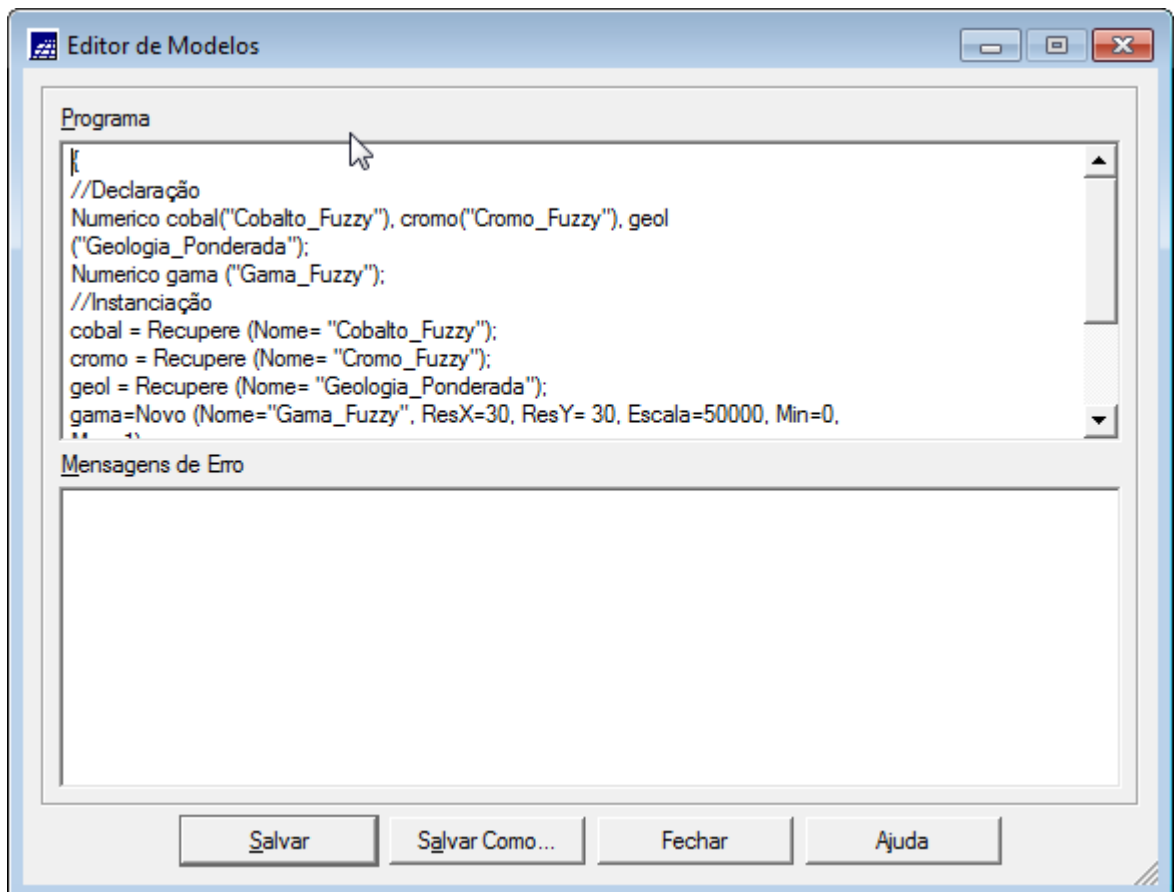
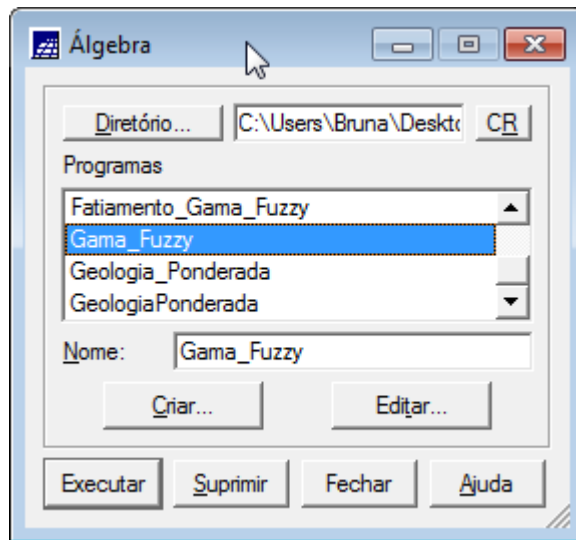




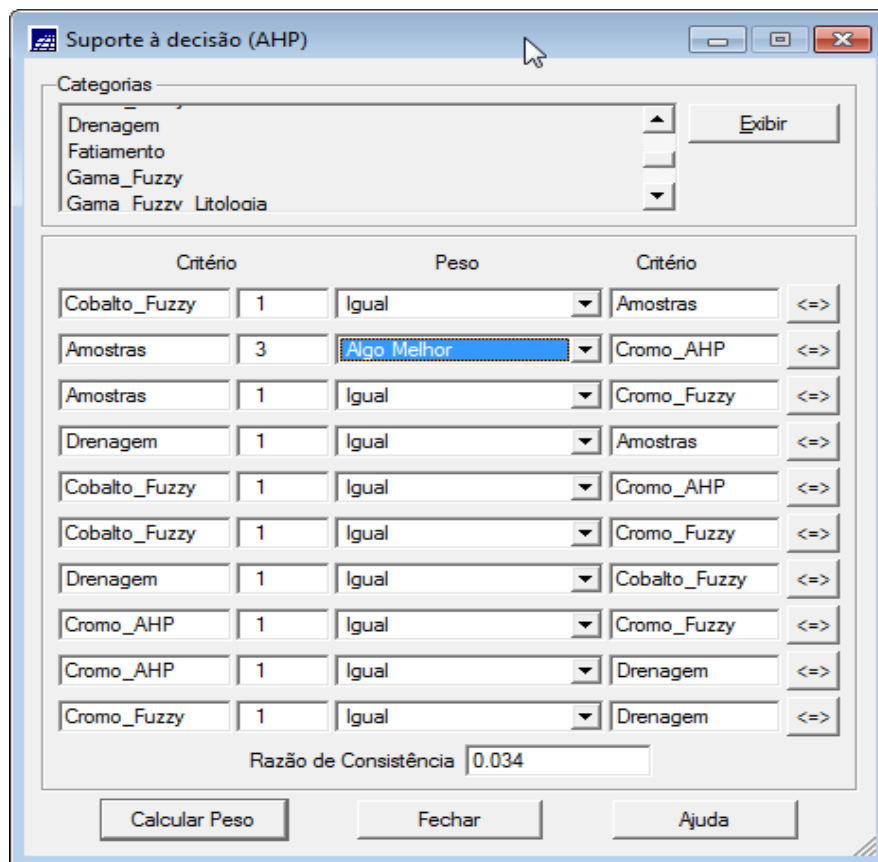
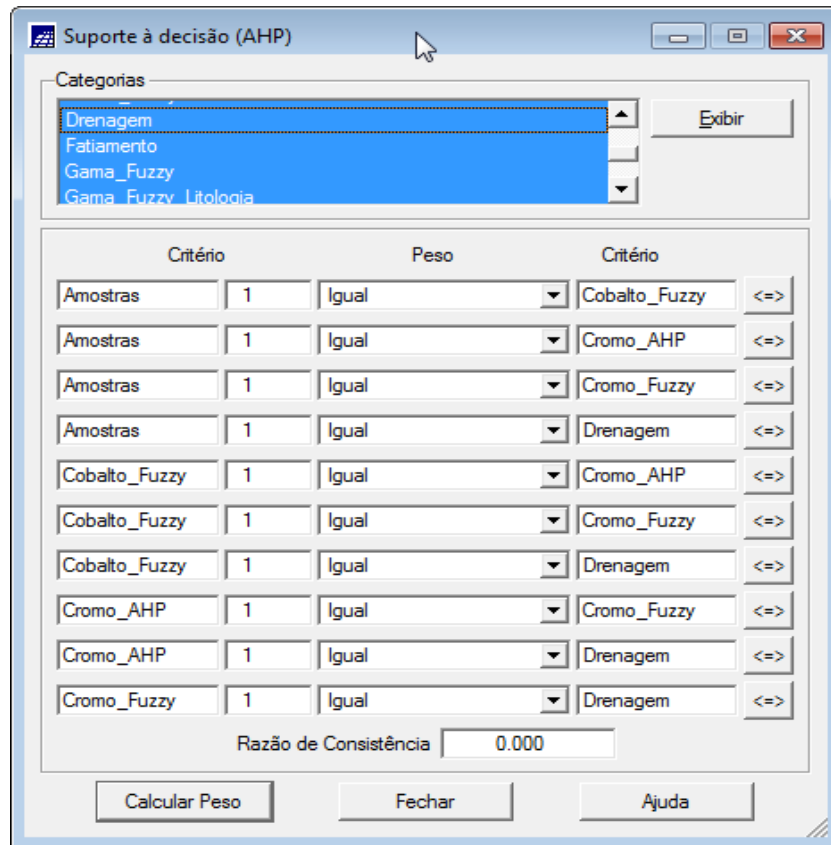


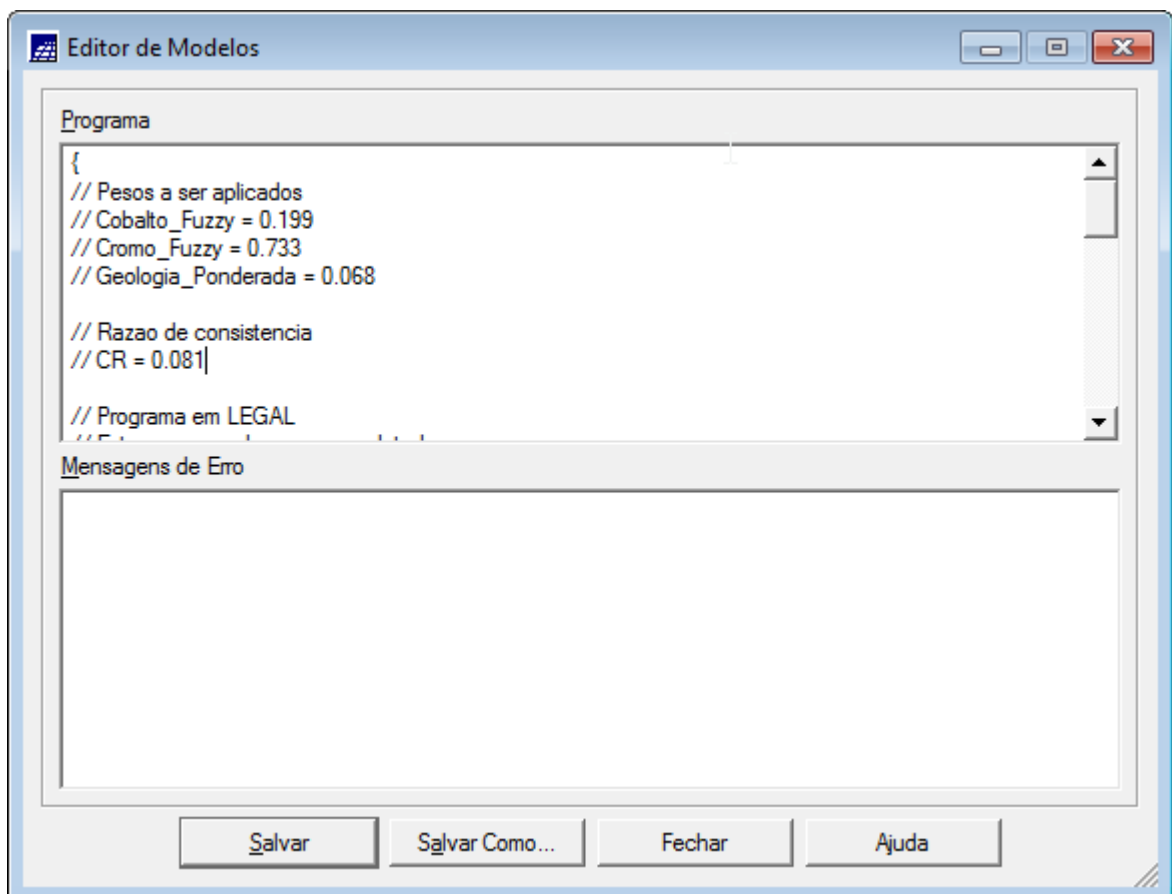
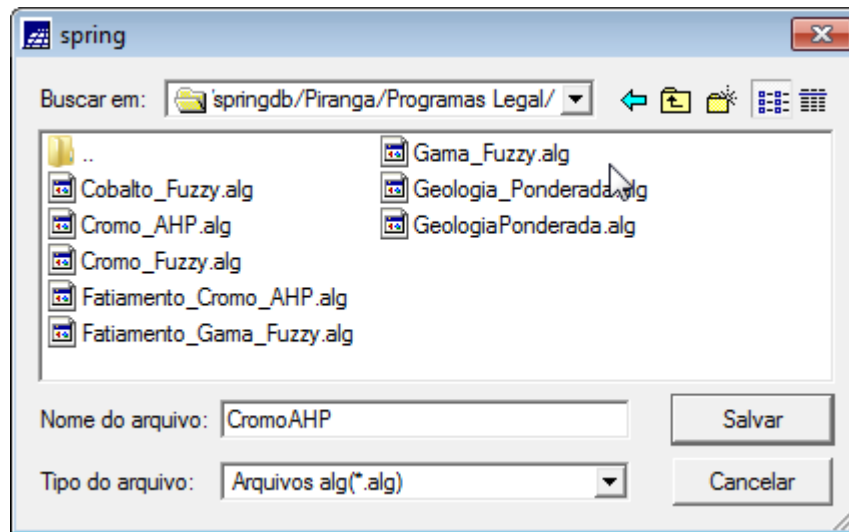


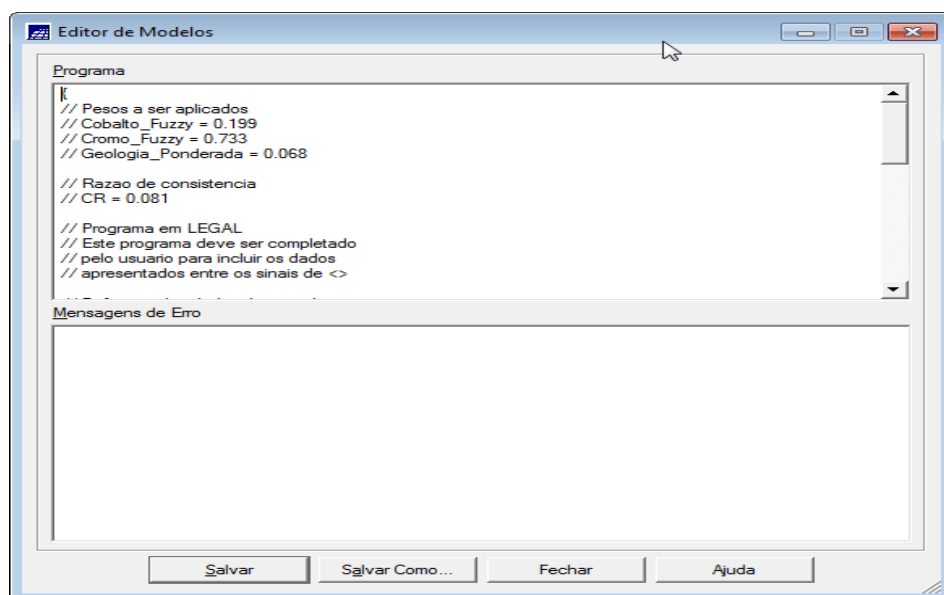
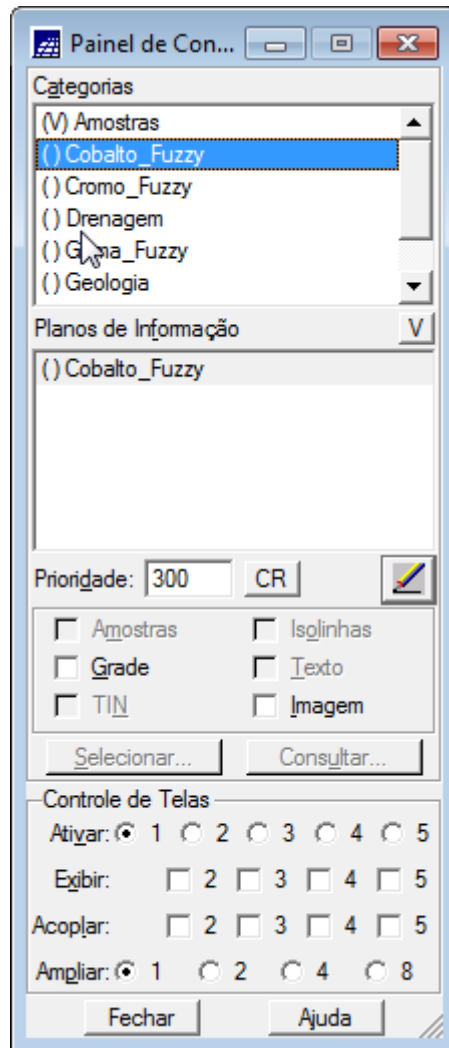


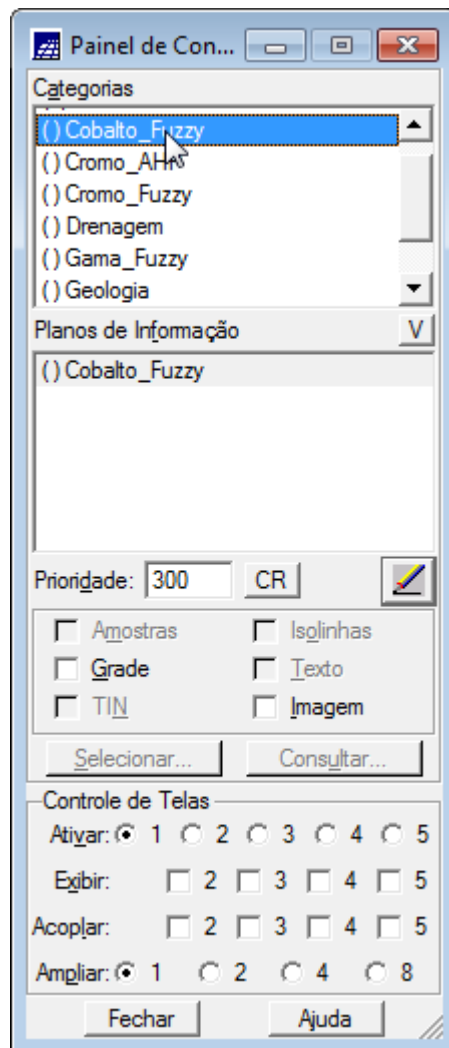
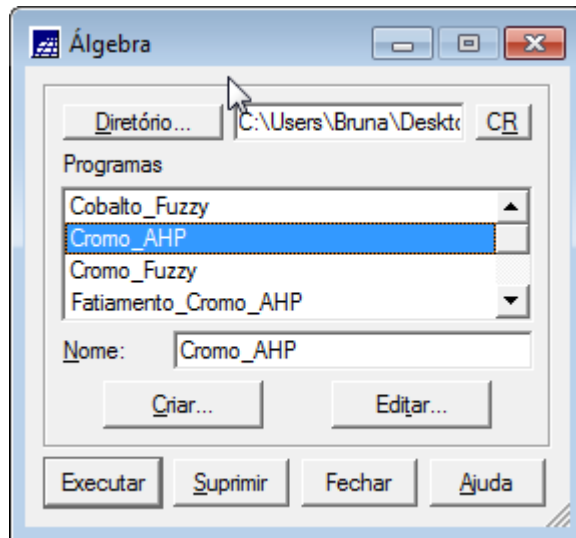


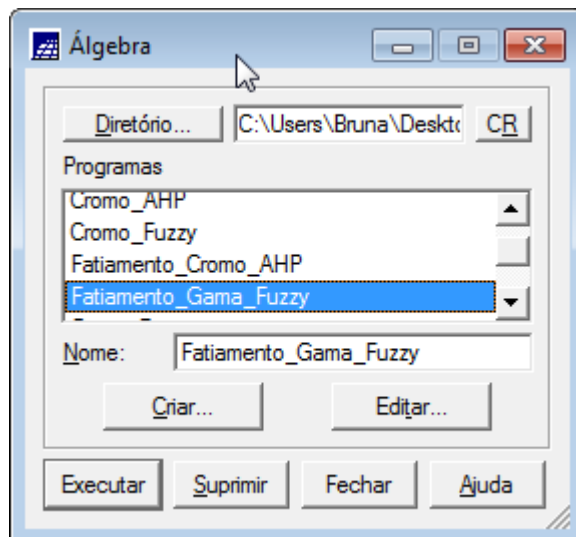


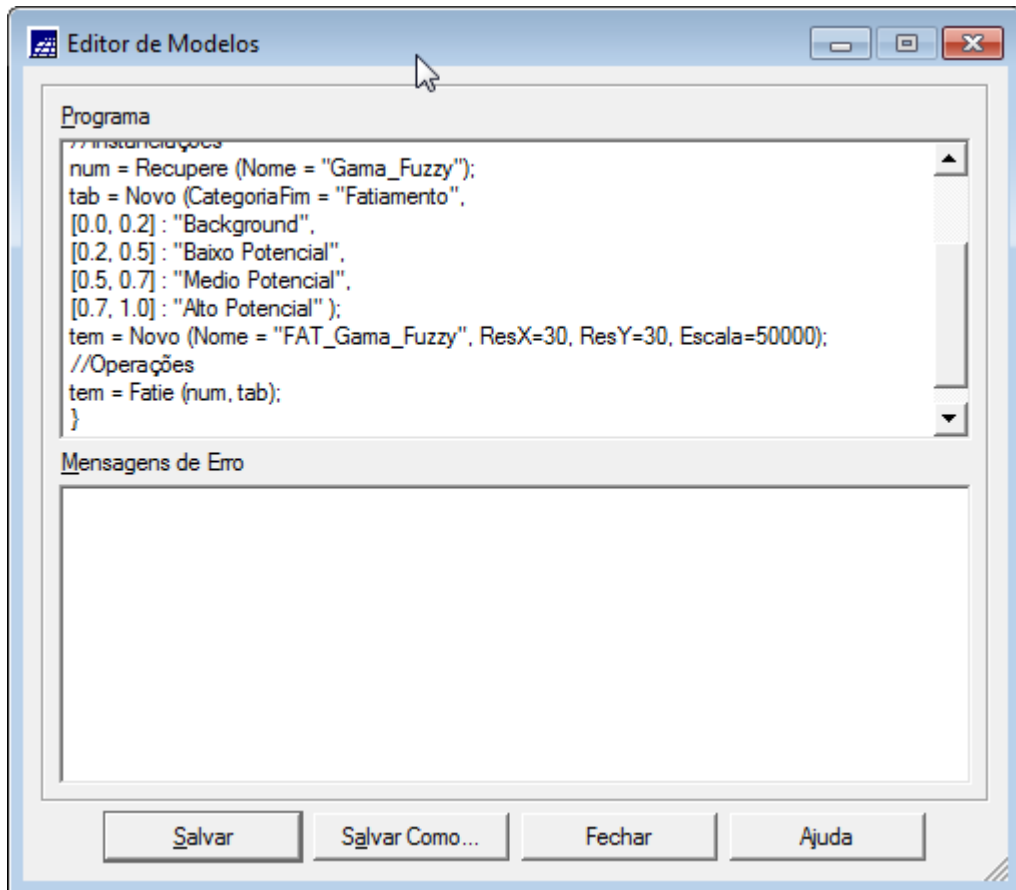




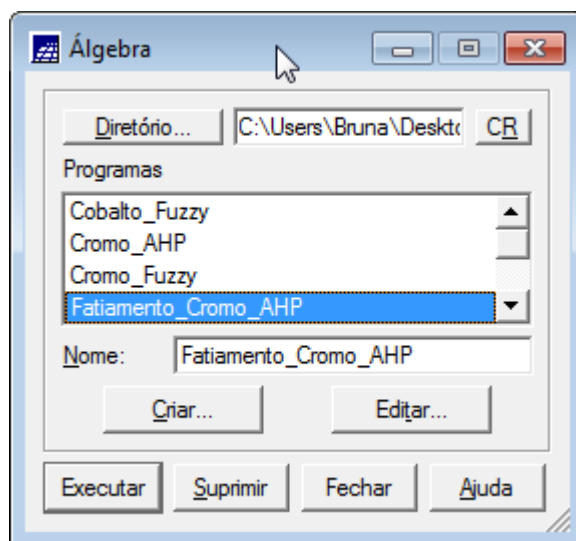
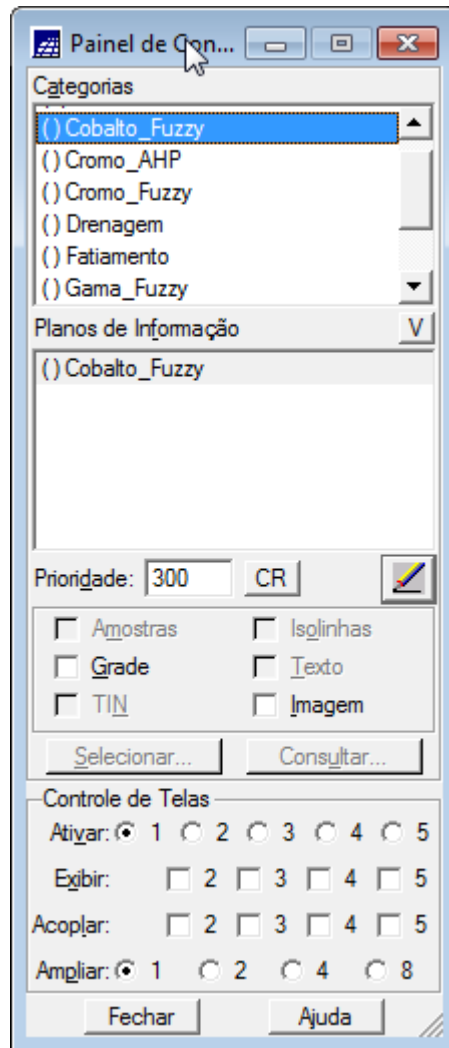


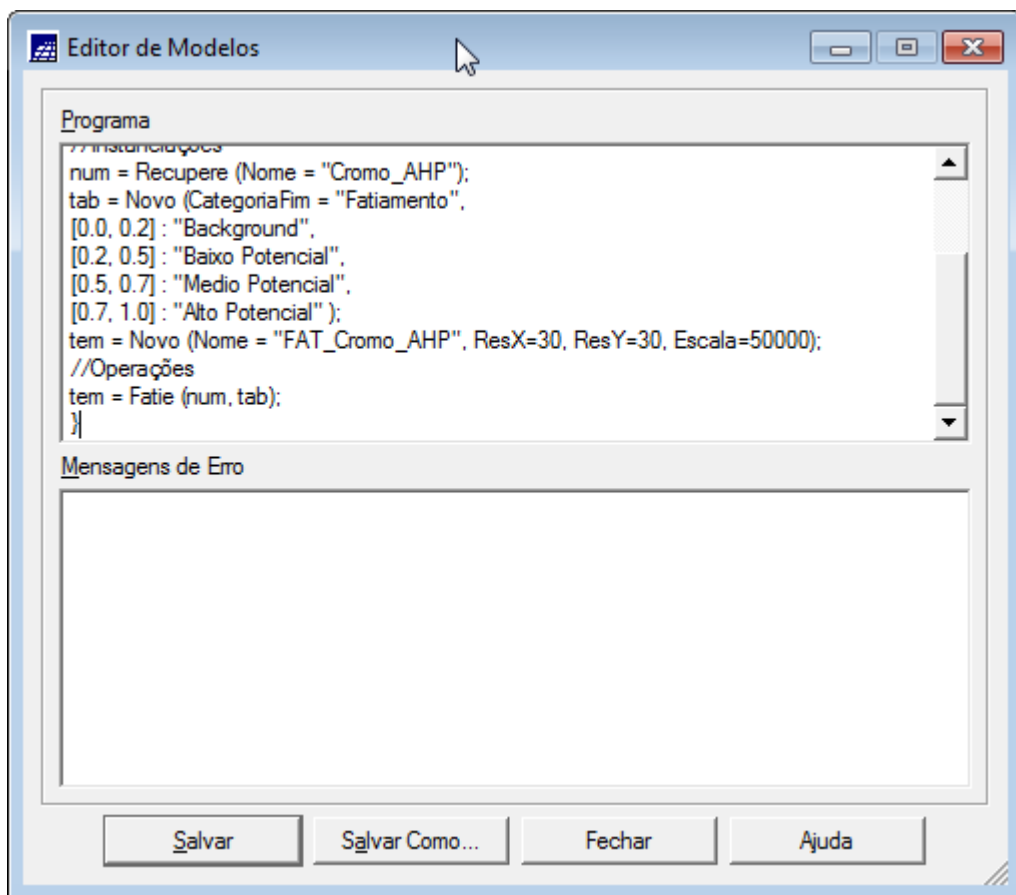


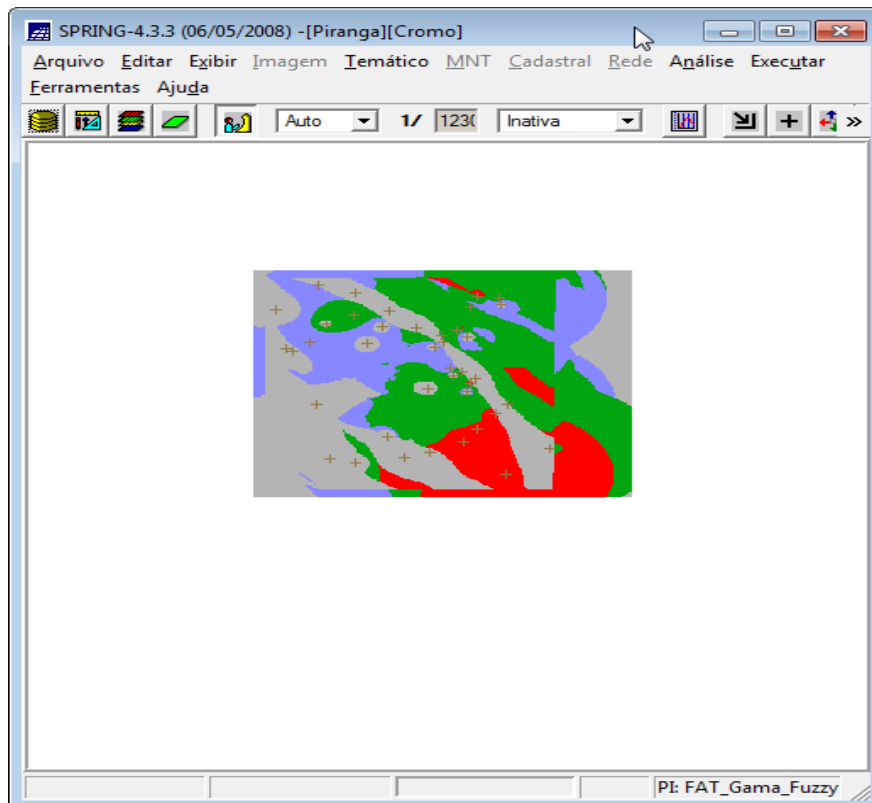
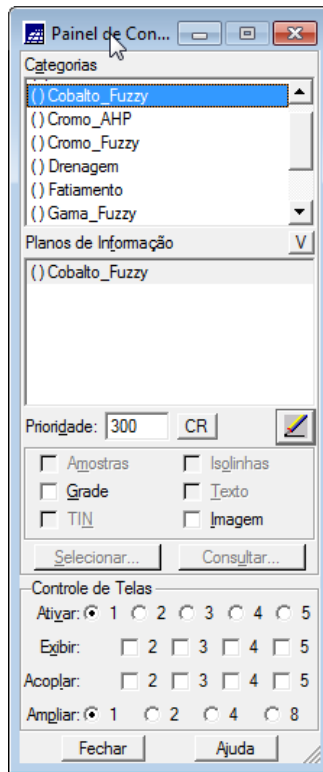


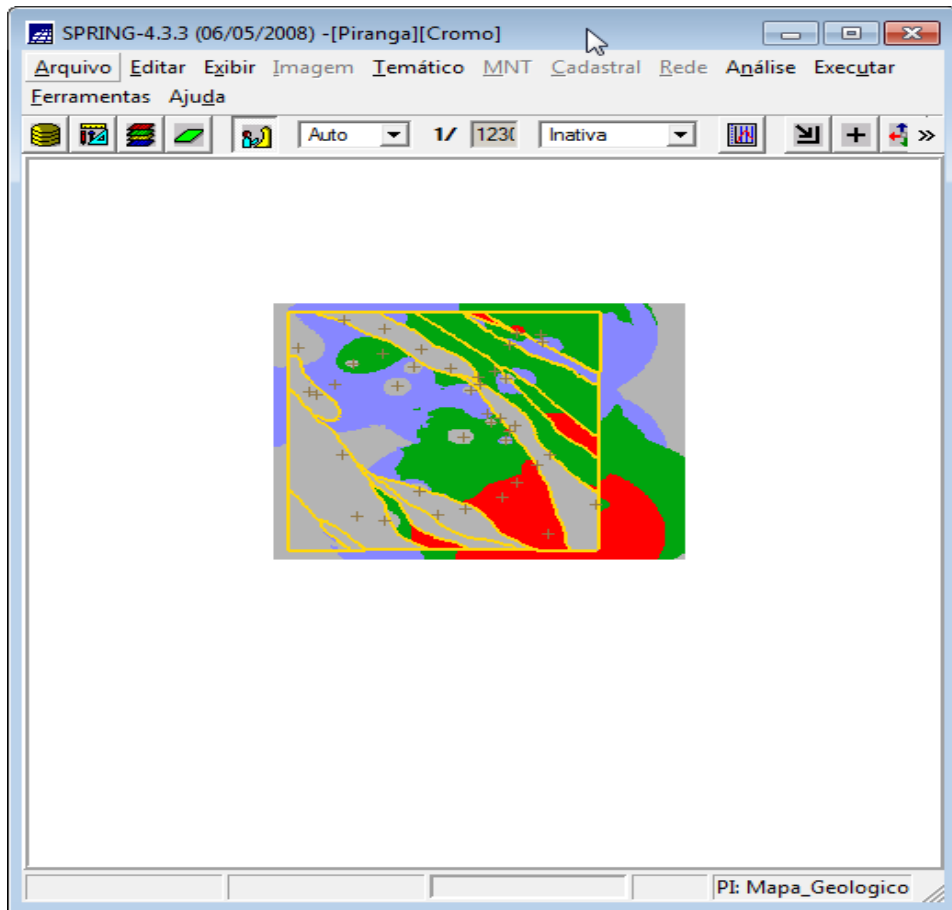


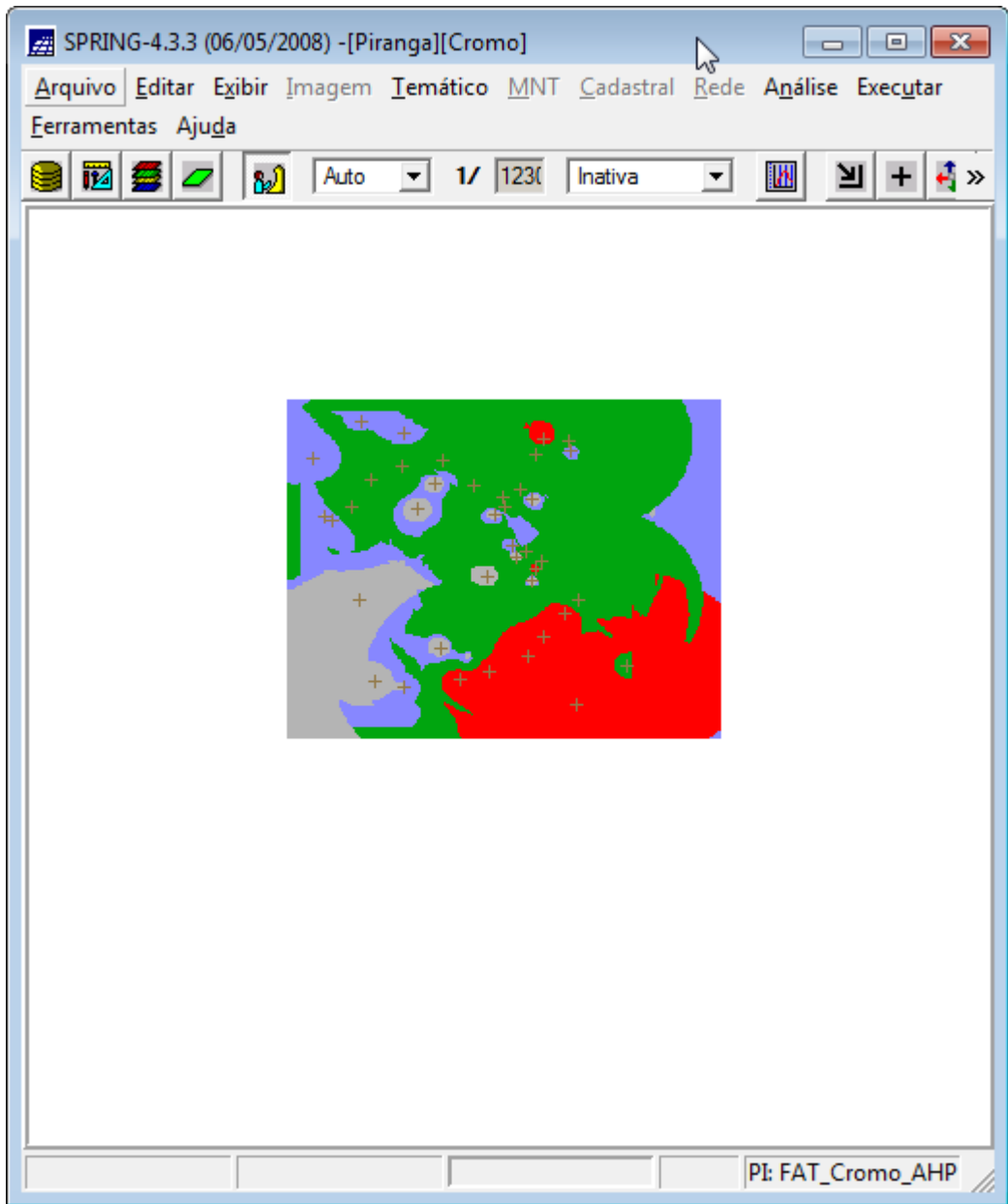


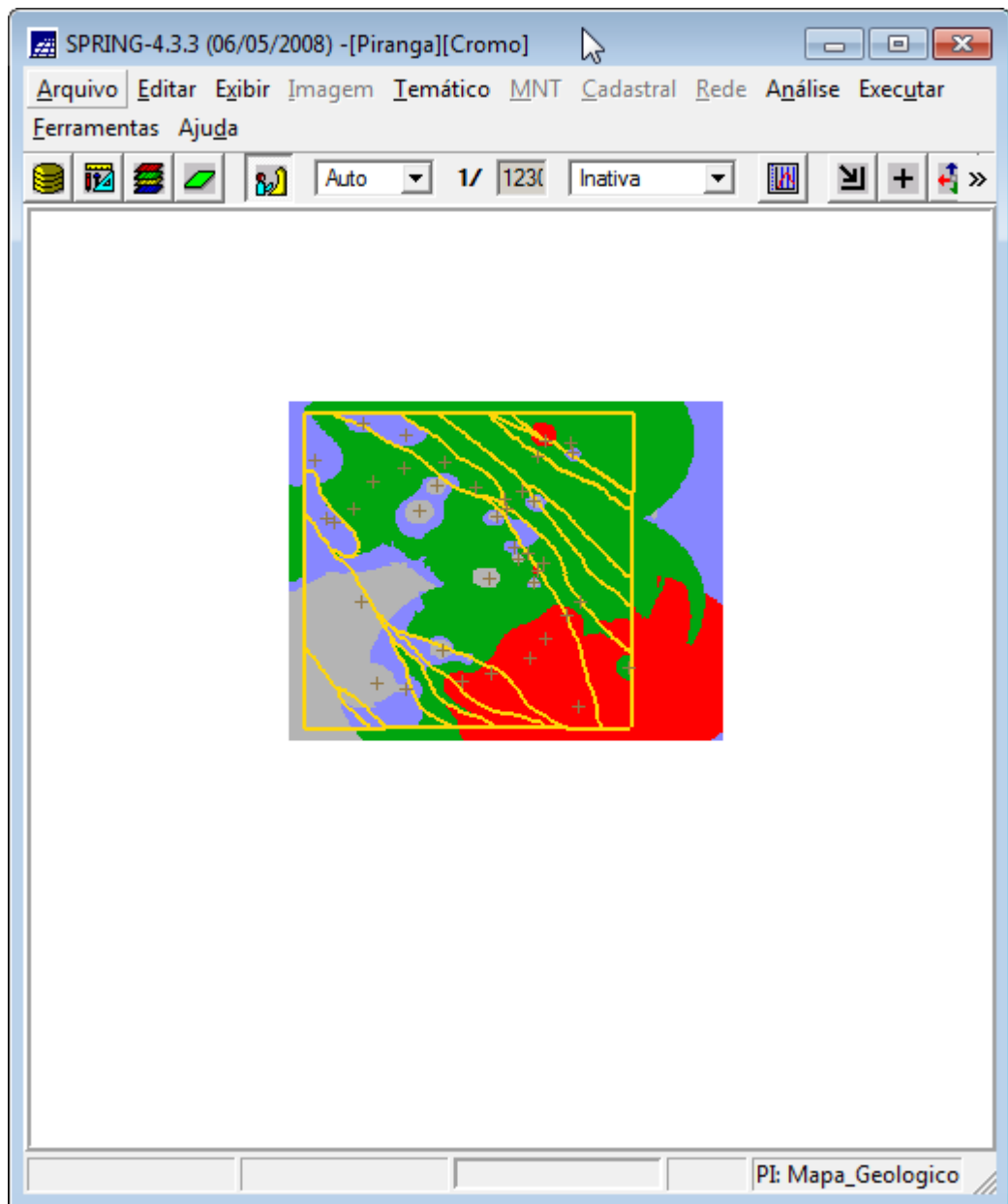












Observa-se que ambos métodos AHP e Fuzzy Gama geram resultados distintos. O mapa de geologia para AHP é um método mais favorecido pois demonstra algumas partes com alta ocorrência de chromo enquanto a outra técnica ignora esse fato.