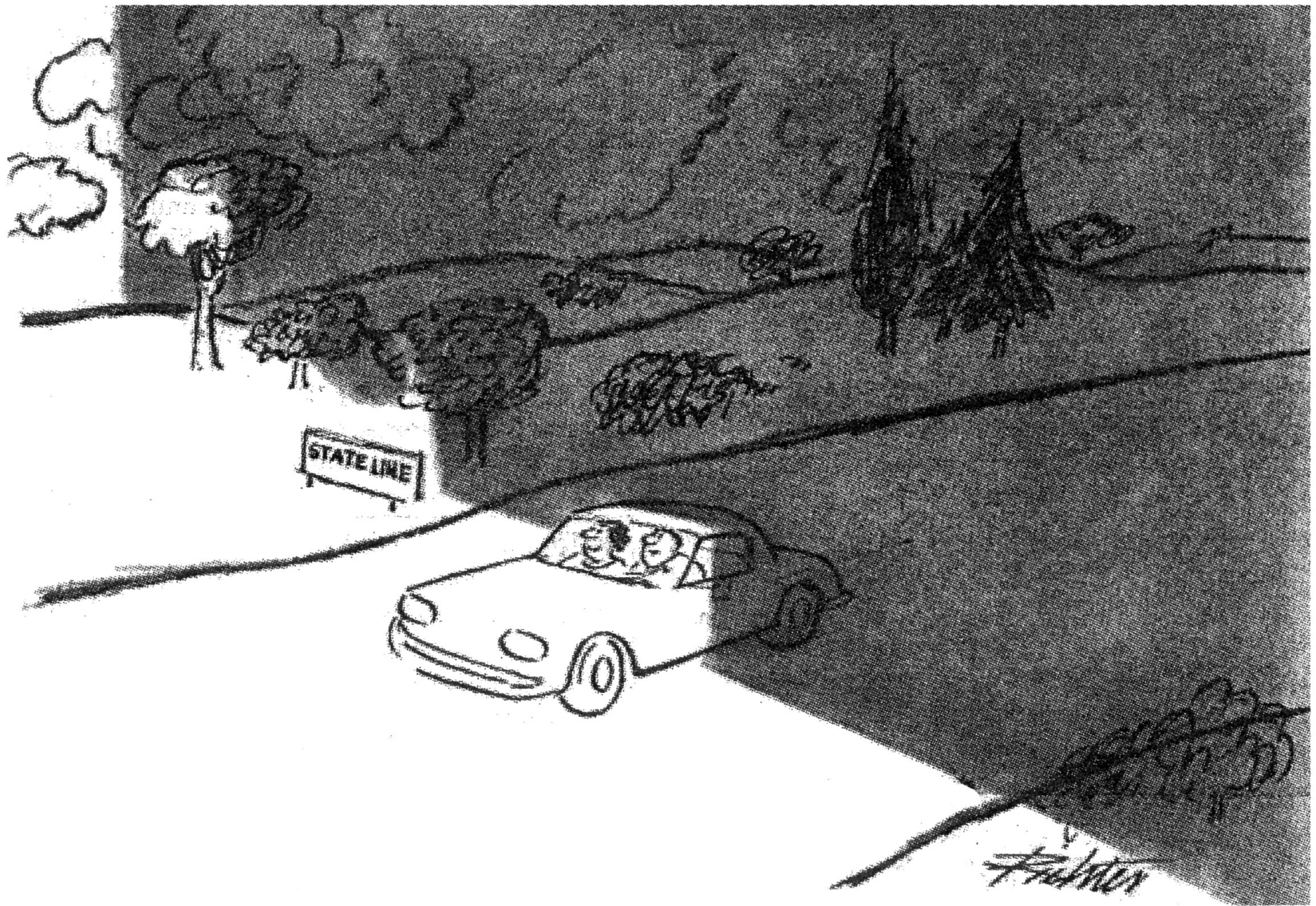


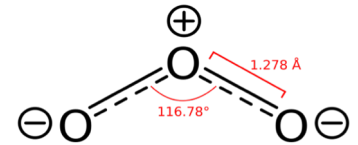




"They have very strict anti-pollution laws in this state."

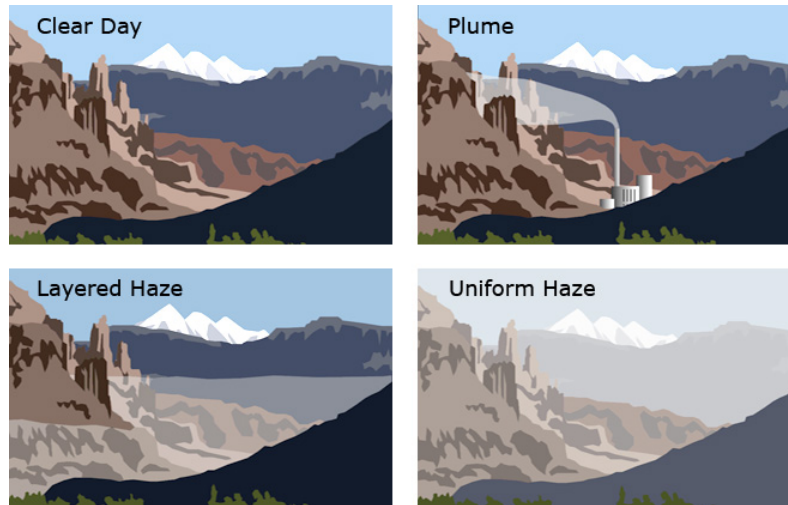
High ozone day in southern California

Background Ozone
and Transport +
Non-Controllable
sources

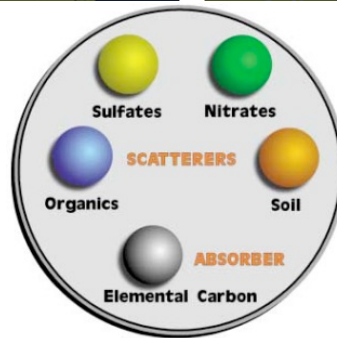


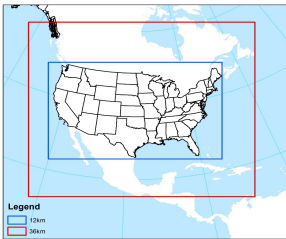
High ozone day in Gothic, Colorado

High ozone day in western U.S.



**Analysis and
Planning to reduce
Regional Haze at over
100 Class I areas**





Picture Analogy for Regional Modeling Results

Unknown Reality

Perfect Model Lower Detail

Measurement Overall Size Only

Raw Predictions Possibilities

A

B

C

(photo of Winston Churchill)



Scaling To Force Overall Size Agreement With Measurements

Head Represents Regional Influence

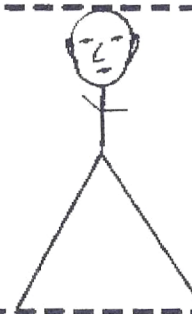
Body Represents Local Influence

Scaling Links Uncertainty in Local Influence with Regional Influence

Features (eyes, mouth, arms, legs, etc) Represent Sources



A

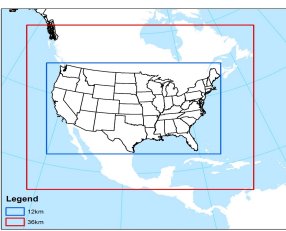


B

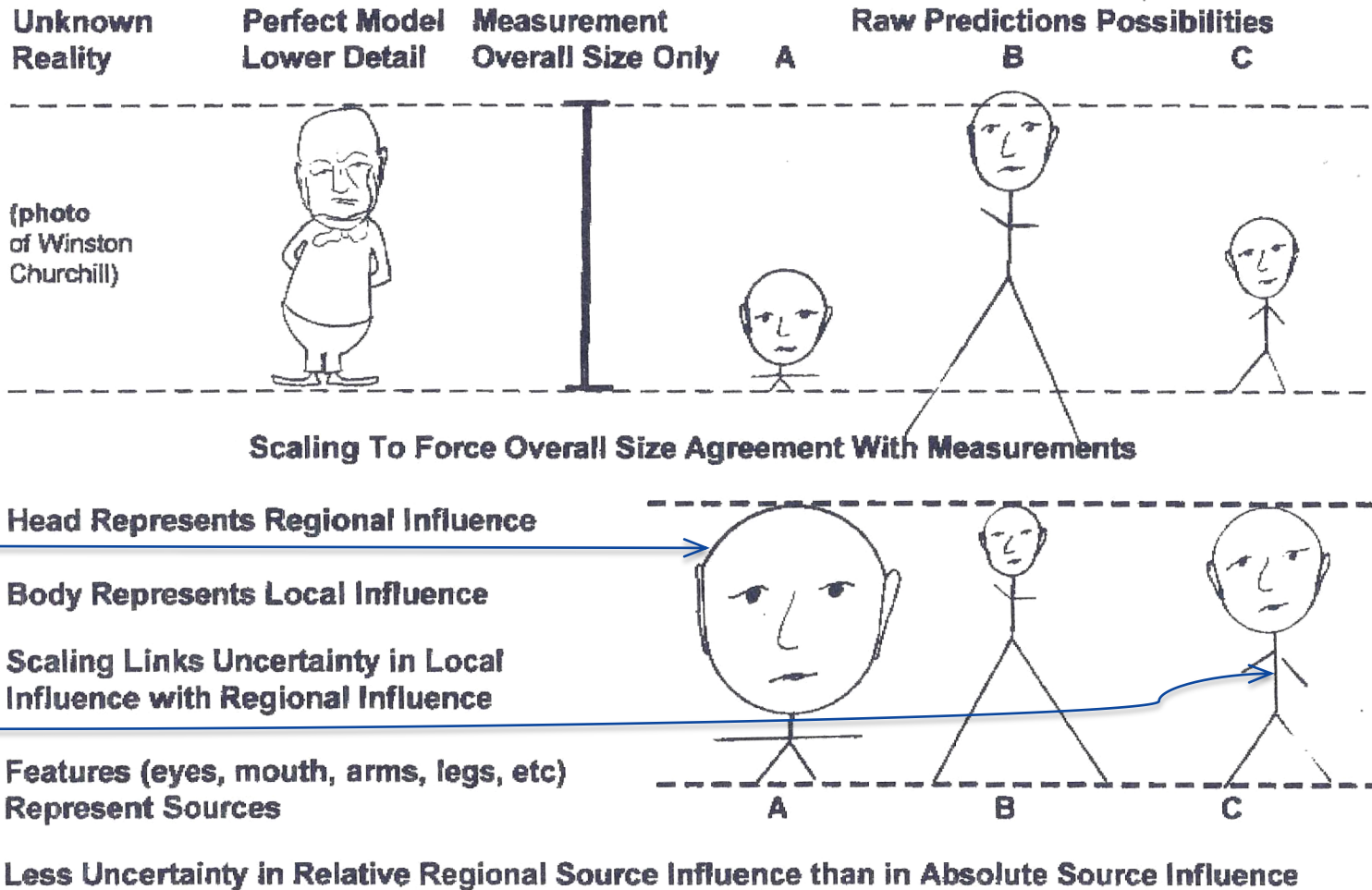


C

Less Uncertainty in Relative Regional Source Influence than in Absolute Source Influence



Picture Analogy for Regional Modeling Results



What are NASA's near-term and longer timeframe plans to make work by Applied Science Teams more relevant and applicable to routine analysis needs of air quality agencies?

What will remote sensing capabilities contribute to future clean air laws and policy – strategic planning?