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**actually being in  
contact with it.**

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from its source to  
the target, it will  
come in contact  
with and interact  
with the  
atmosphere it  
passes through.**

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**are identified,  
measured and  
analyzed without  
direct contact  
existing between  
the sensors and  
the targets or  
events being  
observed, see  
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**from the surface  
of the Earth. It  
may be modified  
by the  
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sensor is  
available on a  
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Sad  
Energy Source or  
Illumination (A) -  
the first  
requirement for**



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**remote sensing is to have an energy source which illuminates or provides electromagnetic energy to the target of interest.**

**2. Radiation and the Atmosphere (B) - as the energy travels from its source to**

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**the target, it will  
come in contact  
with and interact  
with the  
atmosphere it  
passes through.**

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Remote sensing  
or Earth  
Observation is**

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**defined as the  
art, science and  
technology  
through which  
the  
characteristics of  
object  
features/targets  
either on, above  
or even below the  
Earth's surface  
are identified,  
measured and**

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**analyzed without  
direct contact  
existing between  
the sensors and  
the targets or  
events being  
observed, see  
e.g., [1, 2, 3 ...**

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**about remote sensing, let's discuss its fundamentals. A remote sensing system works with the help of a detector for sensing the reflected or emitted energy from the surface of the Earth. It**

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**may be modified  
by the  
interposing  
atmosphere. The  
sensor is  
available on a  
drone, satellite,  
or aircraft.**

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products. The two  
prototype data  
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presented were  
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(ii) a greenness  
map. The  
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