

# NPS

NewWorld Pavement Solutions  
andre@nps.world

## BioChar Feed Stock Classification & BioChar Application Certification

Jointly developed by:



With Support from:



*Let's go...  
Carbon  
Negative  
Together!*

# 1 BioChar – Broad Scope Classification & Certification

## Feedstock Logistics

Resource Mobilization  
Supply Chain Analysis  
Harvest & Collection  
Classification & Certification of receipt  
Storage  
Transport & Handling  
Preprocessing & quality improvement  
Supply System Integration.

## Feedstock Sources

### Forestry Residues

Clean – Certified  
Clean – Not Certified

### Agricultural Residues

Clean – Certified  
Clean – Not Certified

### Dedicated Energy Crops

Clean – Certified  
Clean – Not Certified

### Algae/Kelp/Weeds

Clean – Certified  
Clean – Not Certified

### Waste Streams

Organics  
Plastics  
Solid Wastes  
Biosolids  
Manure Slurries  
Waste Gases  
Coal Fines

Please don't chop down Forests to make BioChar

## BioChar Application

Animal Farming Grades  
Food grade Filtration  
Medical/Supplements

Agricultural/Crops  
Agricultural Filtration

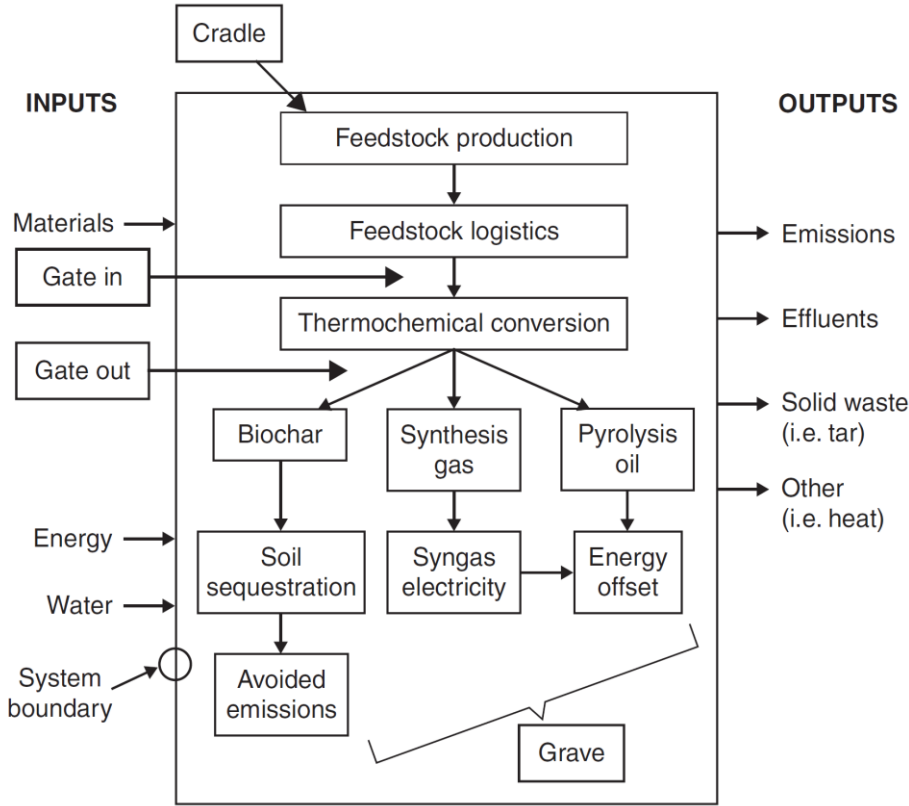
Industrial Decontaminants.  
Waste Water Treatments.

Pavement & Civil Construction Materials.

Fuel/Energy

# 2 BioChar – Life Cycle Analysis

Extremely Complex and often disputed...



Life Cycle Analysis of Biochar

