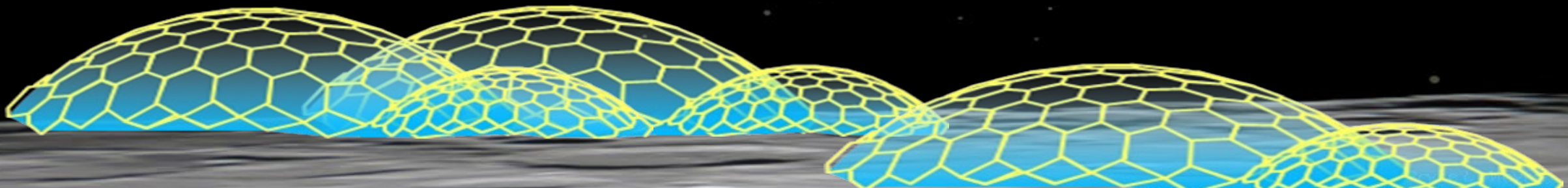
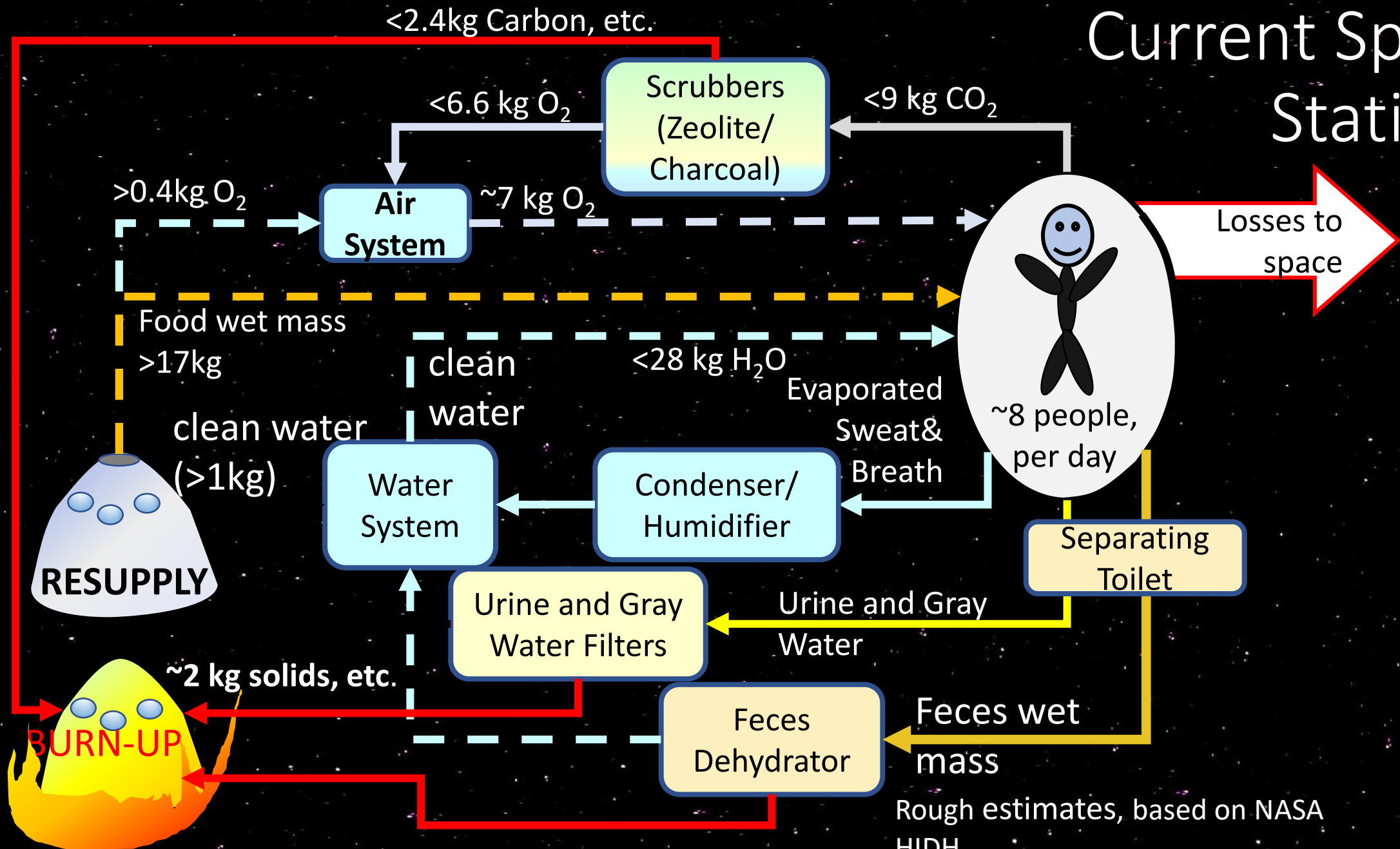


# Space Agriculture: Current Technology for Future Settlements

Bryce L. Meyer  
St. Louis Space Frontier  
NSS Board of Directors Region 4  
Space Ambassador

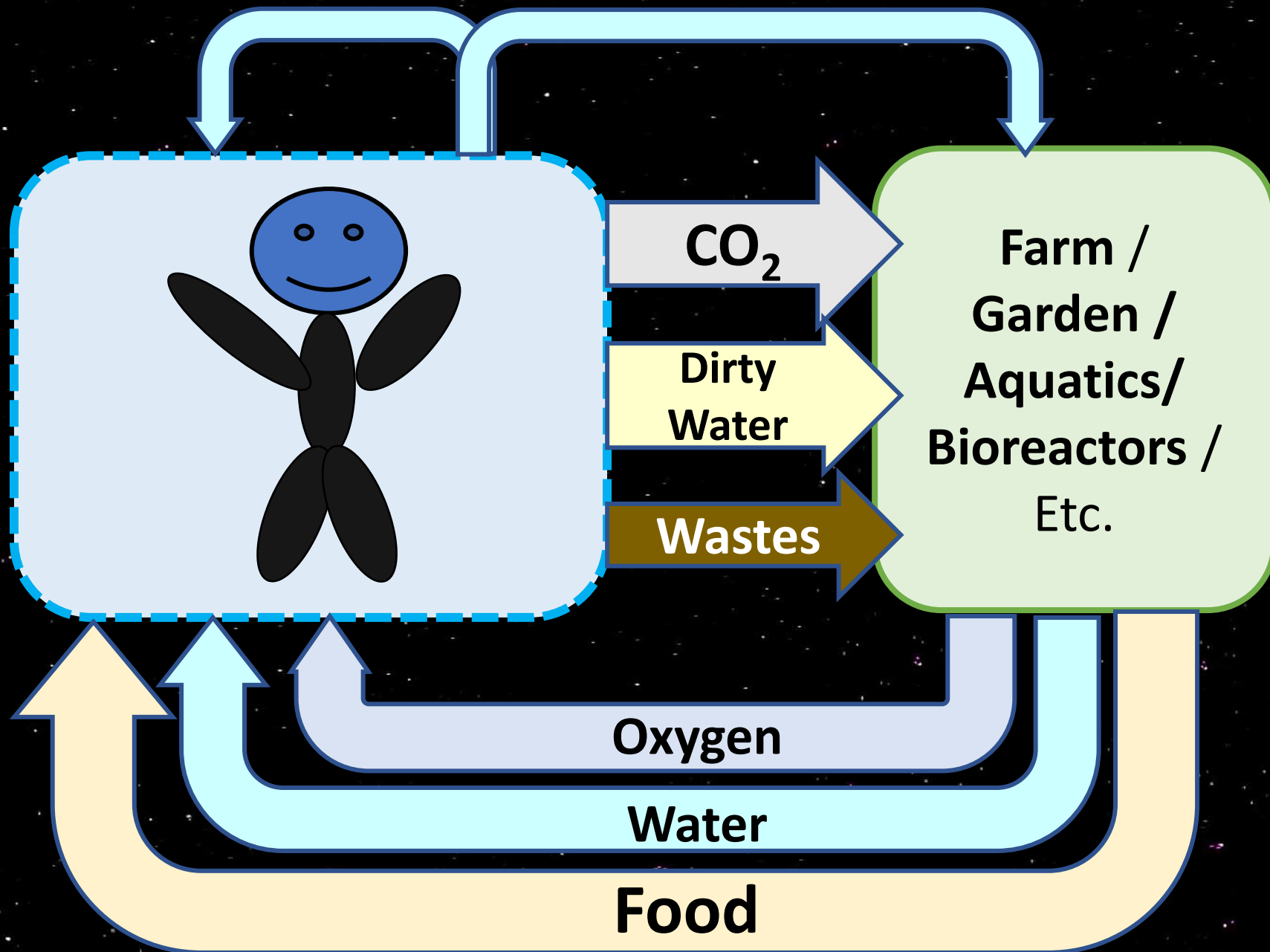


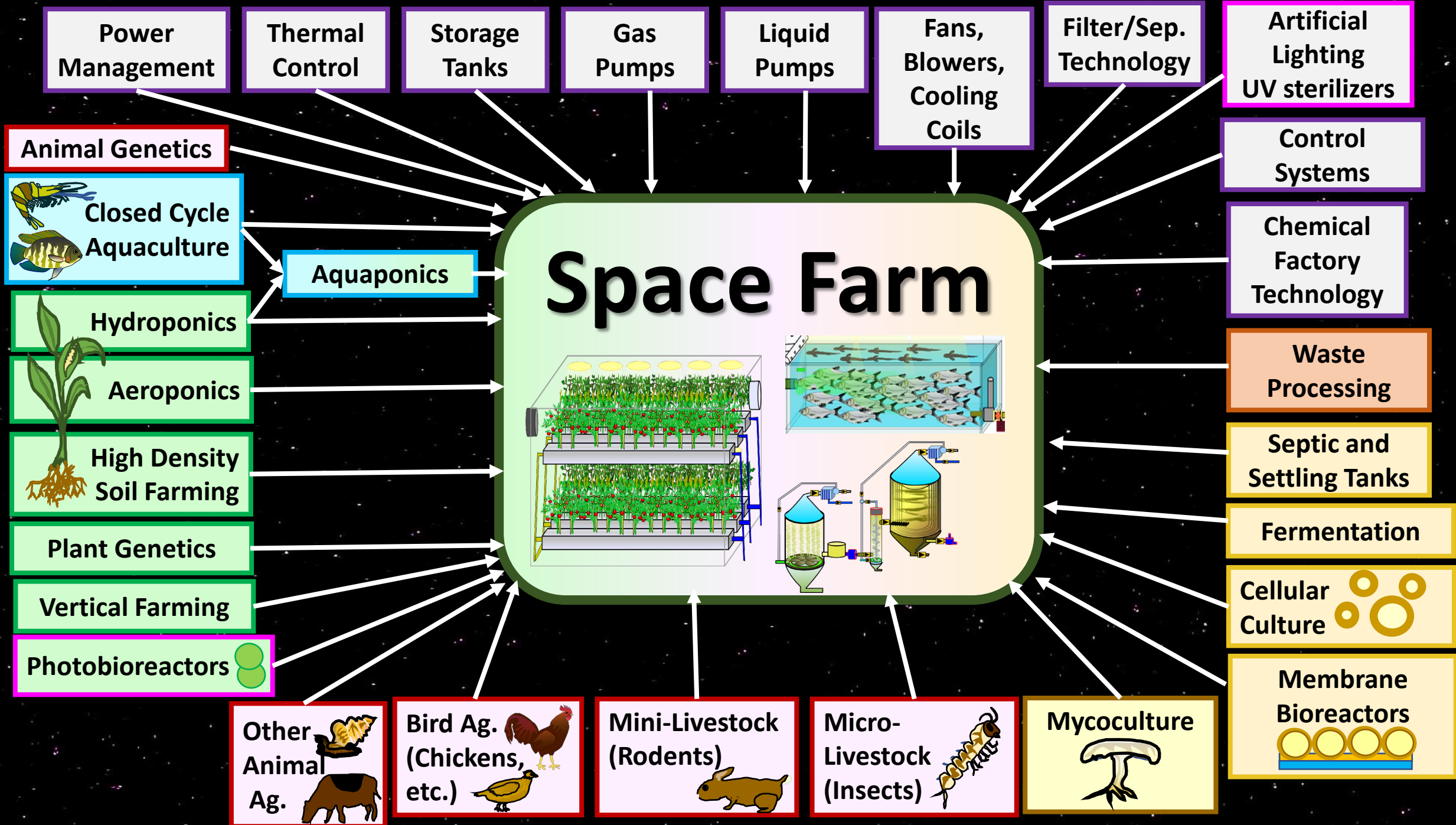
# Current Space Stations

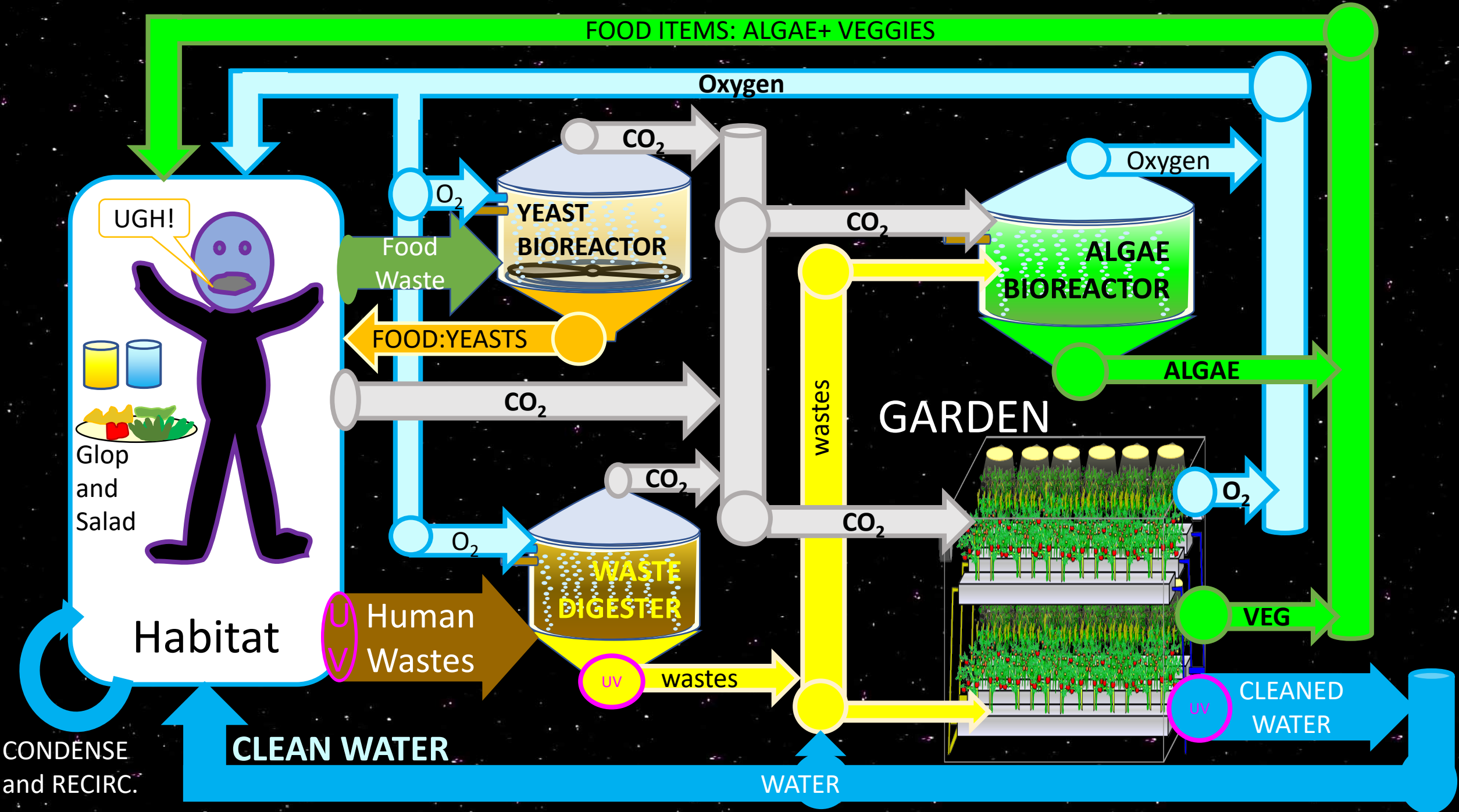


Rough estimates, based on NASA HIDH

# Condenser/Filter Loop







FOOD ITEMS: ALGAE+ VEGGIES

Oxygen

CO<sub>2</sub>

Oxygen

O<sub>2</sub>

YEAST  
BIOREACTOR

CO<sub>2</sub>

ALGAE  
BIOREACTOR

Food  
Waste

FOOD: YEASTS

CO<sub>2</sub>

ALGAE

GARDEN

wastes

CO<sub>2</sub>

CO<sub>2</sub>

O<sub>2</sub>

VEG

Human  
Wastes

UV

wastes

UV

CLEANED  
WATER

WATER

CONDENSE  
and RECIRC.

CLEAN WATER

Habitat

UGH!

Glop  
and  
Salad



MENU/EXPORT DIVERSITY



SETTLEMENT/FARM SIZE/TIME

BACKUP



# The Simplified Cycle

