



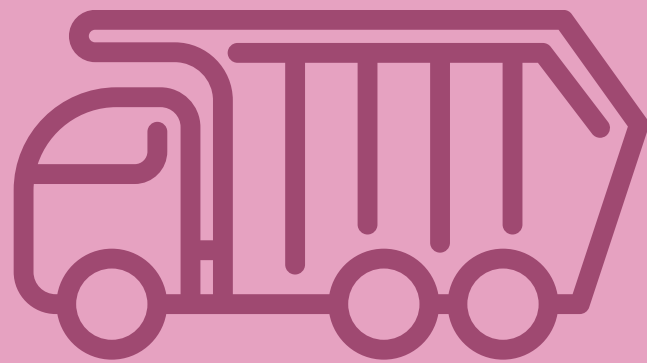
**SCIENCE AND  
ACTION**

# SCIENCE ON PLASTIC

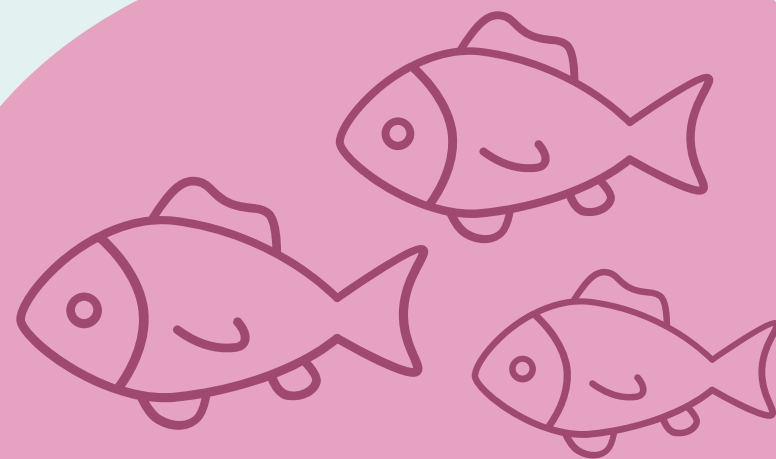
THERE IS LOTS OF  
RESEARCH ON PLASTIC  
POLLUTION, WHICH  
HAS INCREASED OVER  
THE YEARS



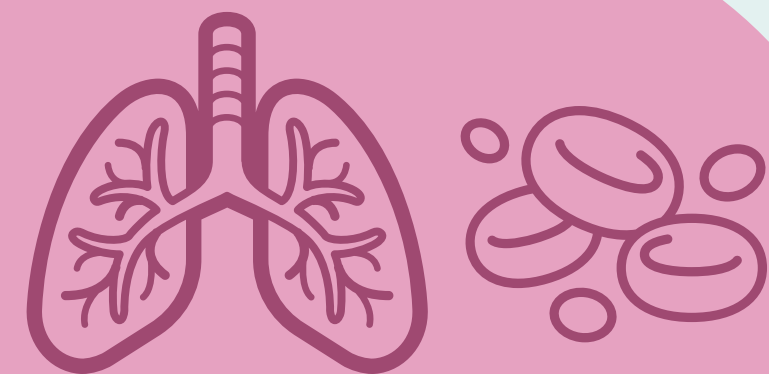
# EXAMPLES



ONE RUBBISH  
TRUCK OF PLASTIC  
ENTERS THE OCEAN  
EVERY MINUTE  
GLOBALLY



50% OF FISH IN  
AUSTRALIA  
HAVE PLASTIC  
INSIDE THEIR  
STOMACHS



MICROPLASTICS  
HAVE BEEN FOUND  
IN THE BLOOD,  
LUNGS AND  
BREAST MILK OF  
HUMANS

# WHAT TYPE OF SCIENTISTS WORK ON PLASTIC POLLUTION?

MARINE  
BIOLOGISTS

ENVIRONMENTAL  
SCIENTISTS

ECOLOGISTS

DOCTORS

WASTE  
MANAGEMENT  
SCIENTISTS

ENGINEERS

OCEANOGRAPHERS

MATERIAL  
SCIENTISTS

CONSERVATION  
BIOLOGISTS

TOXICOLOGISTS

CHEMISTS

MEDICAL  
SCIENTISTS

MICROBIOLOGISTS

PUBLIC HEALTH  
SCIENTISTS

ATMOSPHERIC  
SCIENTISTS



# **GROUP DISCUSSION**

**WHAT TYPES OF QUESTIONS DO YOU  
THINK SCIENTISTS SHOULD BE TRYING  
TO ANSWER ABOUT PLASTIC  
POLLUTION?**

# GOVERNMENT

WHAT ACTION DOES THE  
GOVERNMENT TAKE TO REDUCE  
PLASTIC POLLUTION?

# GOVERNMENT ACTION



BANS AND  
RESTRICTIONS



RECYCLING  
PROGRAMS



PUBLIC AWARENESS  
CAMPAIGNS



LEGISLATION



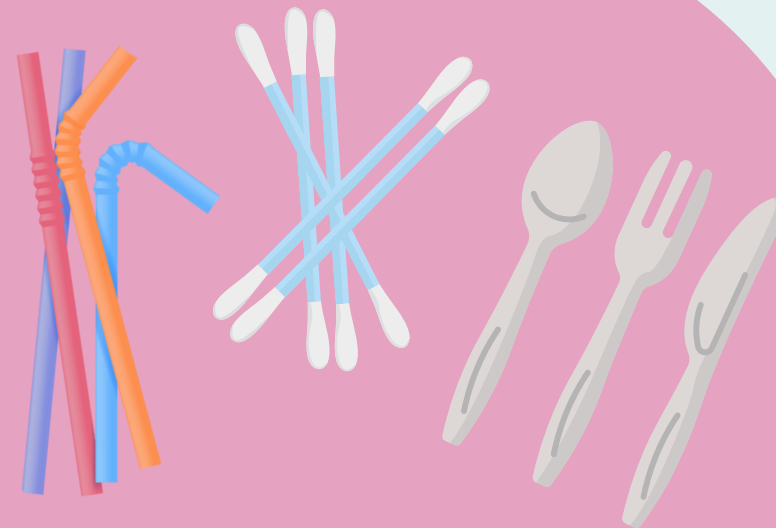
SUPPORT FOR INNOVATION

# LOCAL GOVERNMENT ACTION



## PLASTIC BAGS

BAN ON SINGLE USE  
LIGHTWEIGHT PLASTIC  
BAGS



## SINGLE USE PLASTIC BANS

CUTLERY, STRAWS, PLATES  
AND BOWLS, COTTONS  
BUDS & HEAVY WEIGHT  
PLASTIC BAGS



## WORKING ON

BREAD TAGS, COFFEE  
CUPS, CONFETTI, FRUIT AND  
VEG BAGS, TAKEAWAY  
CONTAINERS



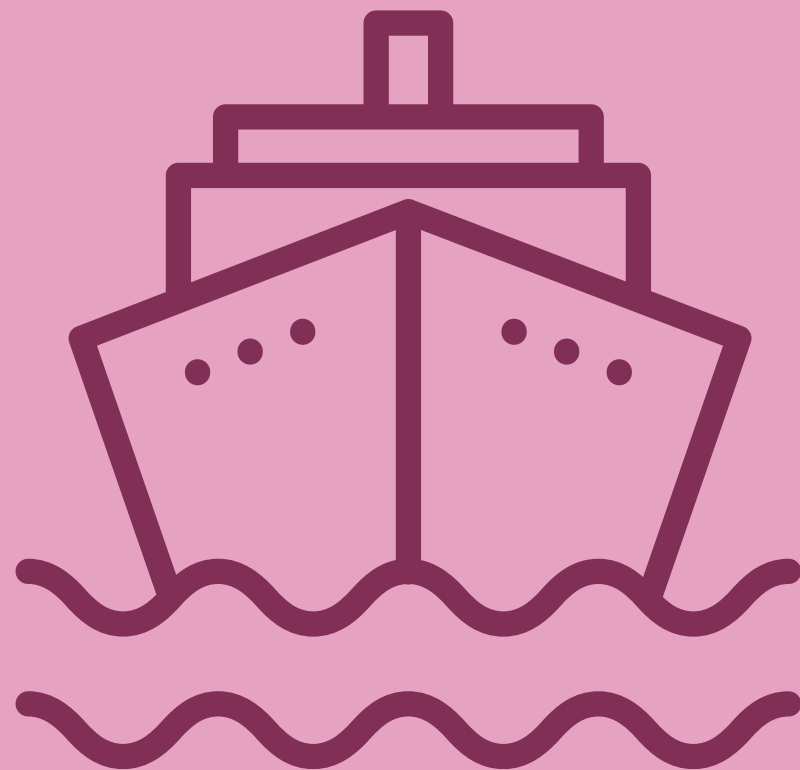
# ACTION OVERSEAS

INTRODUCED  
PLASTIC  
TAXES



# INTERNATIONAL AGREEMENTS

## MARPOL: SHIPPING AGREEMENT



## UNITED NATIONS GLOBAL PLASTIC TREATY



# DISCUSSION POINTS

**WHAT INTERNATIONAL AGREEMENTS DO YOU  
THINK ARE NEEDED?**

**WHAT LOCAL AGREEMENTS OR LAWS  
SHOULD BE MADE?**

# YOUTH ACTION



# DISCUSSION POINTS

**WHAT CAN YOU DO?**

**HAS YOUR BEHAVIOUR TOWARDS  
PLASTIC USE CHANGED SINCE YOU  
BEGAN LEARNING MORE ABOUT IT?**

# CALL TO ACTION: PHOTO-POINT MONITORING

WE WANT TO USE PHOTOGRAPHS TO MONITOR  
MARINE DEBRIS ON THE BEACH OVER TIME

PLEASE TAKE PHOTOS AND UPLOAD THEM TO  
THE WEBSITE WHEN YOU VISIT THE BEACH



# **PRACTICAL**

**FIELD TRIP TO PHOTO-POINT  
MONITORING SITE**

**TAKE AN IMAGE AND UPLOAD  
TO WEBSITE**