N **No-take:** fishing is prohibited.
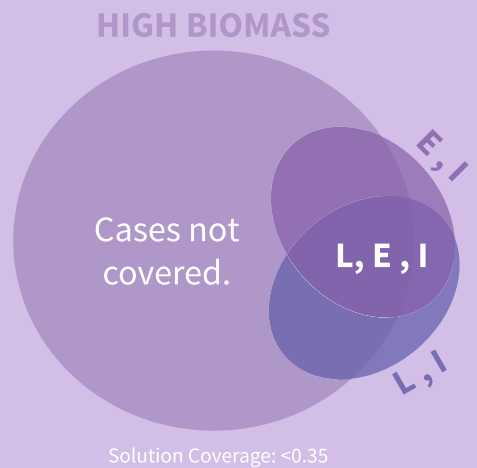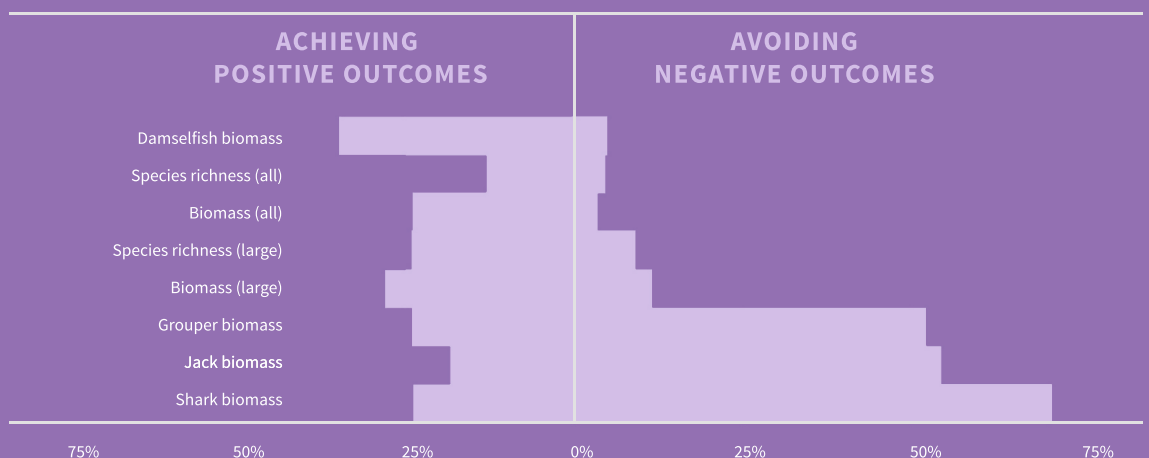
E **Enforcement** of fishing rules.

O **Old:** age of the MPA (>10 yrs).

L **Large:** size of protected area.

I **Isolated:** MPA's remoteness.

Five factors are thought to be important in successful marine protected areas (**MPAs**).

But these don't explain many successful cases implying that **other conditions** also matter.

HIGH BIOMASS

E , I

L, E , I

L , I

Cases not covered.

Solution Coverage: <0.35

Percentage of Outcomes
Explained by NEOLI Conditions

ACHIEVING
POSITIVE OUTCOMES

AVOIDING
NEGATIVE OUTCOMES

Damselfish biomass
Species richness (all)
Biomass (all)
Species richness (large)
Biomass (large)
Grouper biomass
Jack biomass
Shark biomass

75% 50% 25% 0% 25% 50% 75%

MPA's may play a more **protective** than restorative role for degraded ecological performance.

CONCLUSION