

Estimates of the impact of fisheries subsidies at the global level

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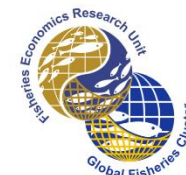
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Effects of harmful subsidies on fisheries in Latin
America and the Caribbean Workshop

Virtual, October 20, 2021



Subsidies to ocean-dependent economic activities (e.g., fishing)

- Subsidies are financial payments, direct or indirect from public entities to an economic sector, which reduces the cost of business and/or increases revenues, boosting profits artificially.



Why discipline harmful subsidies: *Because they ...*

- are substantial – opportunity cost;
- have trade impacts;
- contribute to overtaking, over polluting & illegal and illicit economic activities;
- sabotage the SDGs.



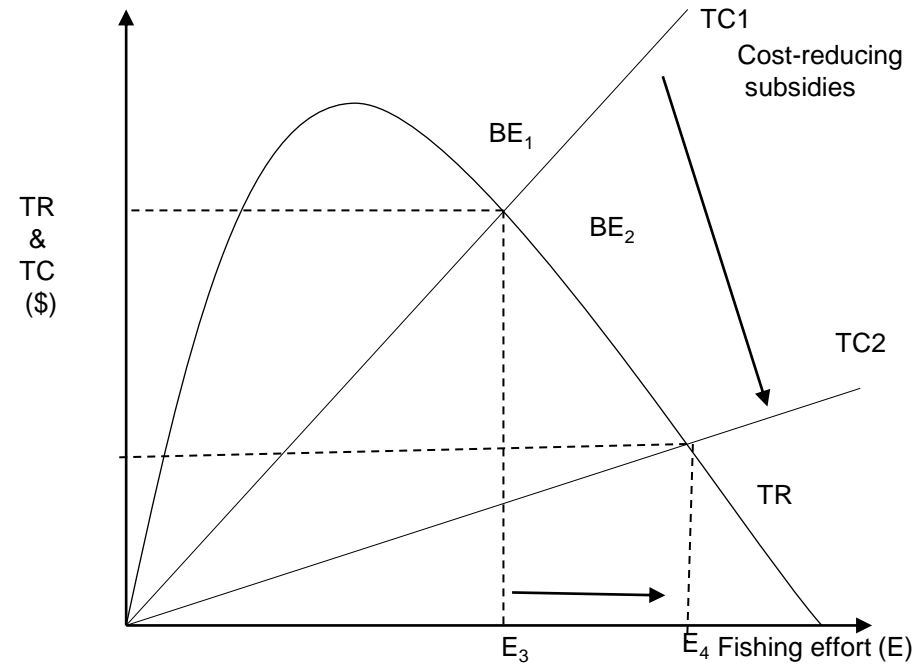
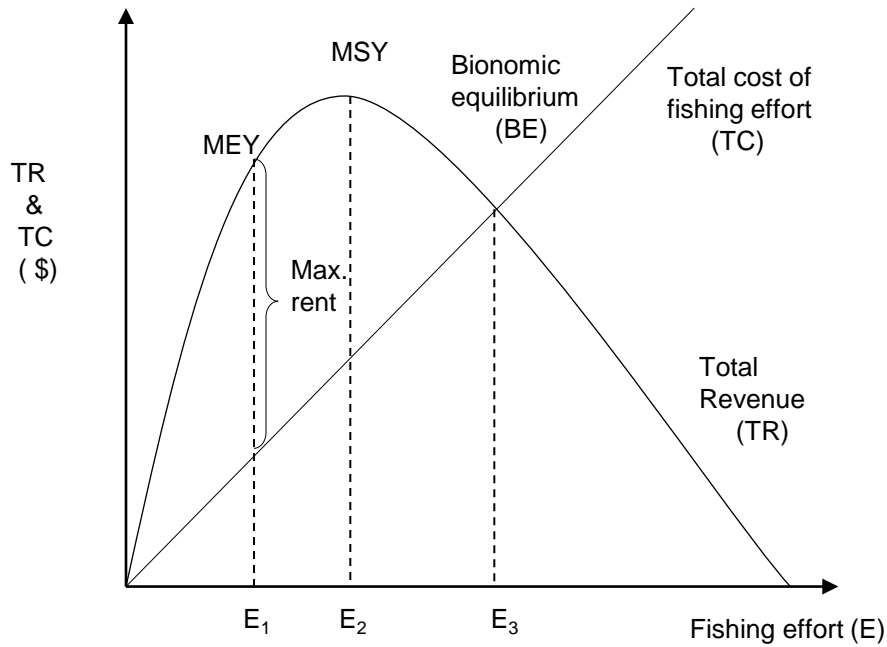
NOAA



<http://www.terradaily.com>

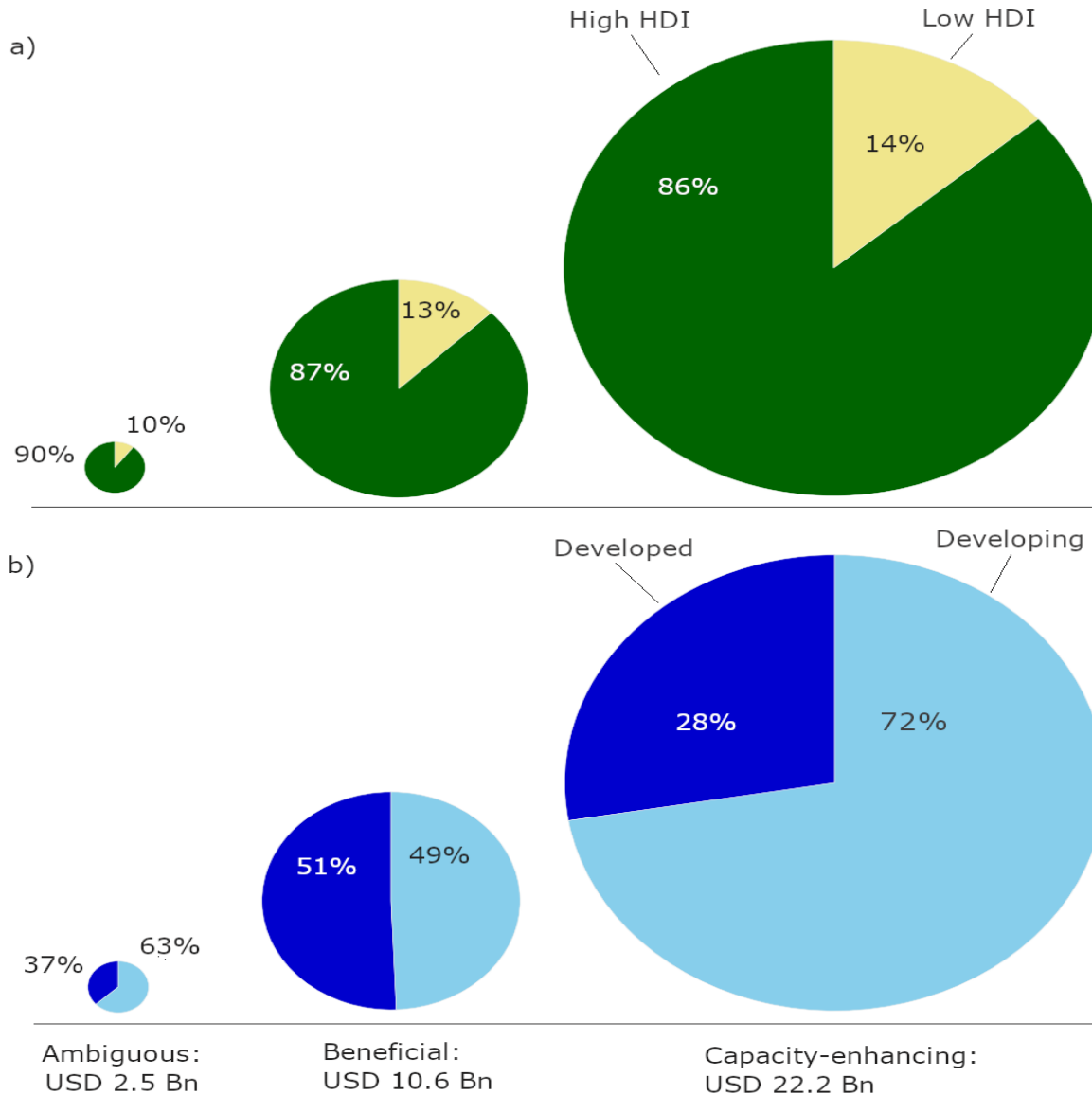


How subsidies induce overfishing

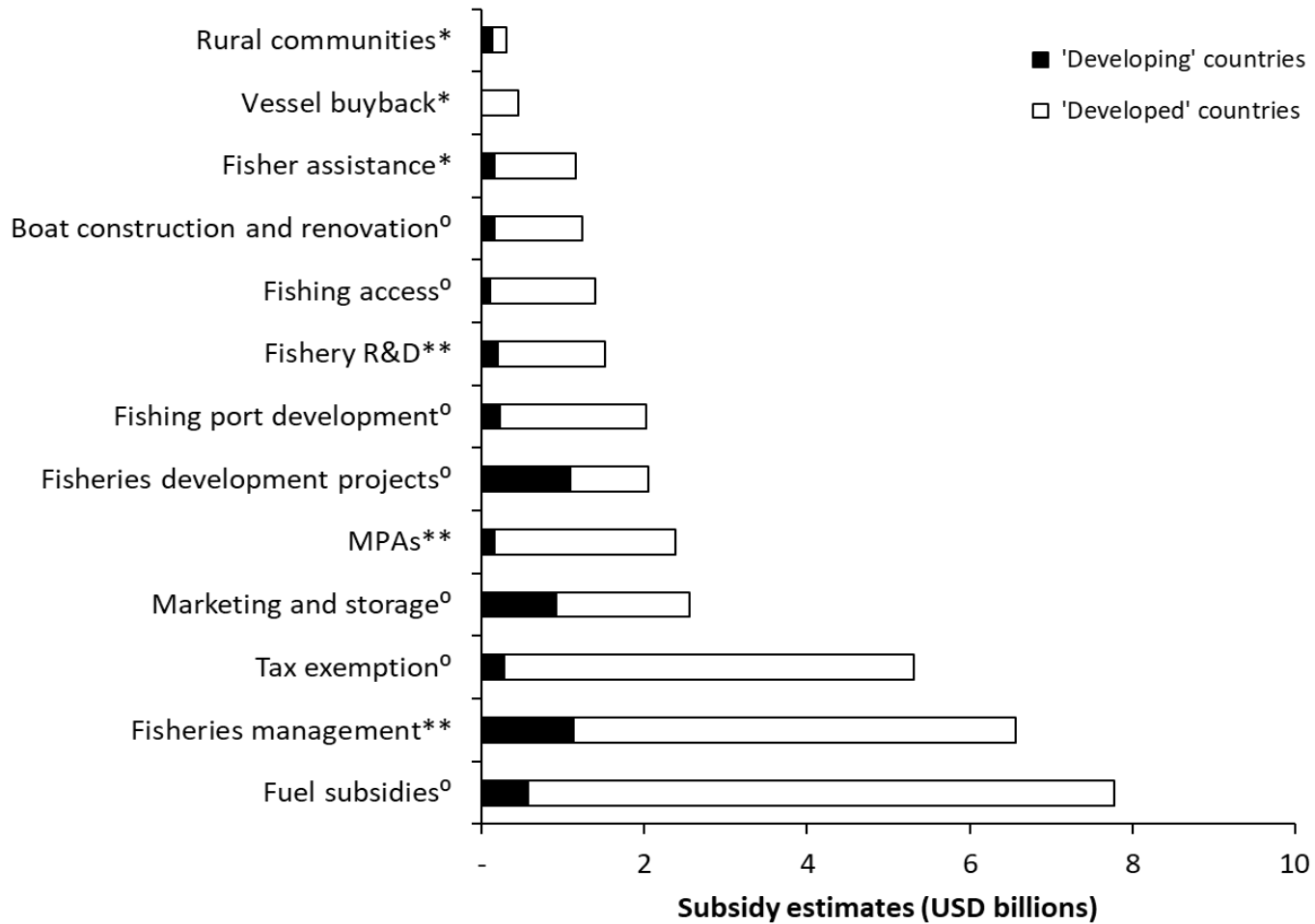


Gordon Schaefer bioeconomic model

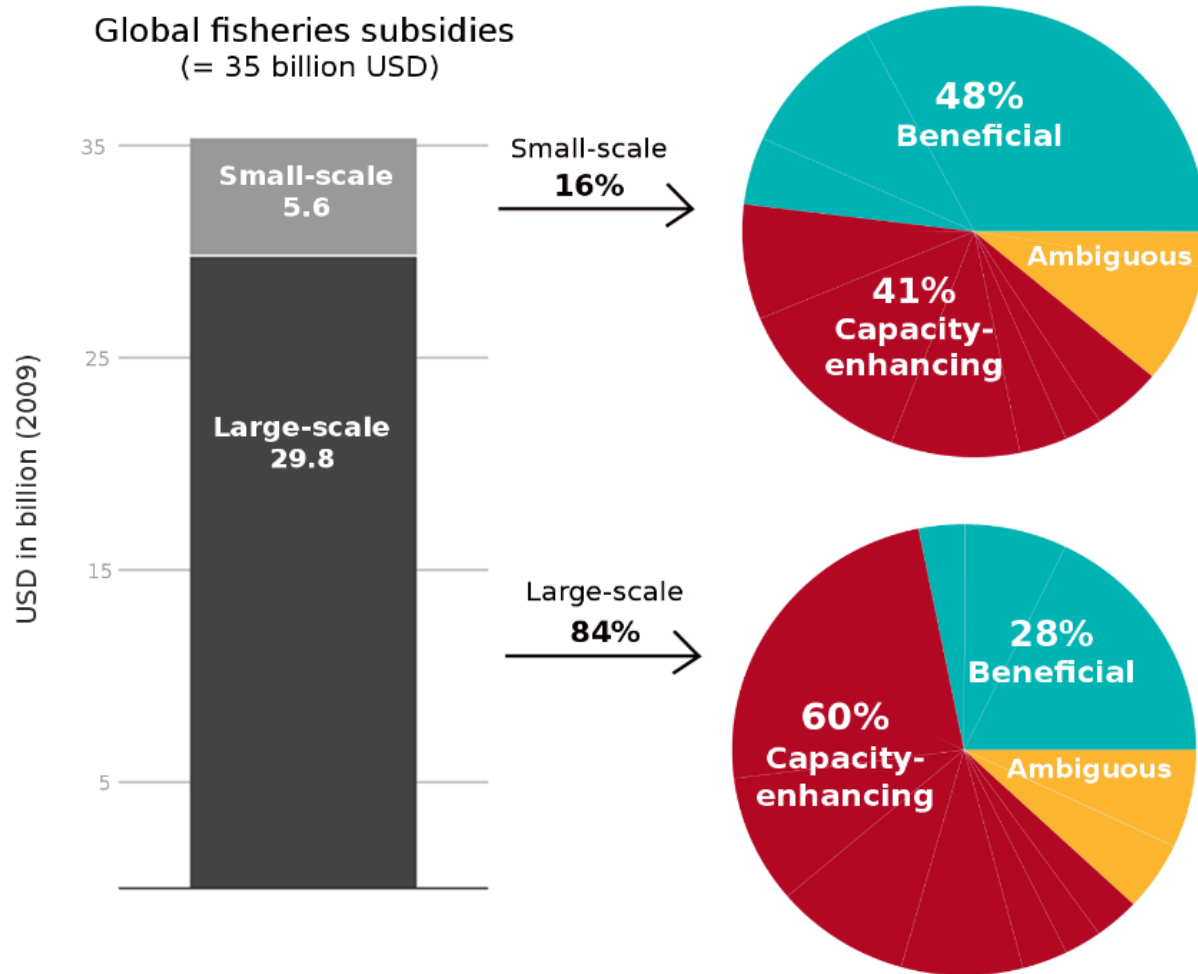
Total global fisheries subsidies



Subsidies by type



SSF versus LSF subsidies (Sabotages the SDGs in many ways)



Sumaila et al. (2016); Schuhbauer et al. 2017)



Top-10 Subsidizers

Country	Harmful 2018 (USD)	Harmful SSF 2018 (USD)	Harmful LSF 2018 (USD)
China	5,885,641,061.87	270,190,457.59	5,615,450,604.28
Japan	2,110,570,533.89	868,538,916.12	1,242,031,617.77
Korea Rep	1,499,588,458.47	294,468,301.76	1,205,120,156.71
Russian Federation	1,162,014,894.51	19,531,126.07	1,142,483,768.44
USA	1,136,228,740.01	218,685,739.52	917,543,000.49
Thailand	1,068,852,812.28	110,899,985.52	957,952,826.76
Taiwan	708,416,314.78	46,848,061.51	661,568,253.27
Spain	682,832,412.65	15,712,544.48	667,119,868.16
Indonesia	565,989,649.14	202,885,474.17	363,104,174.97
Norway	527,236,084.58	116,841,245.77	410,394,838.82



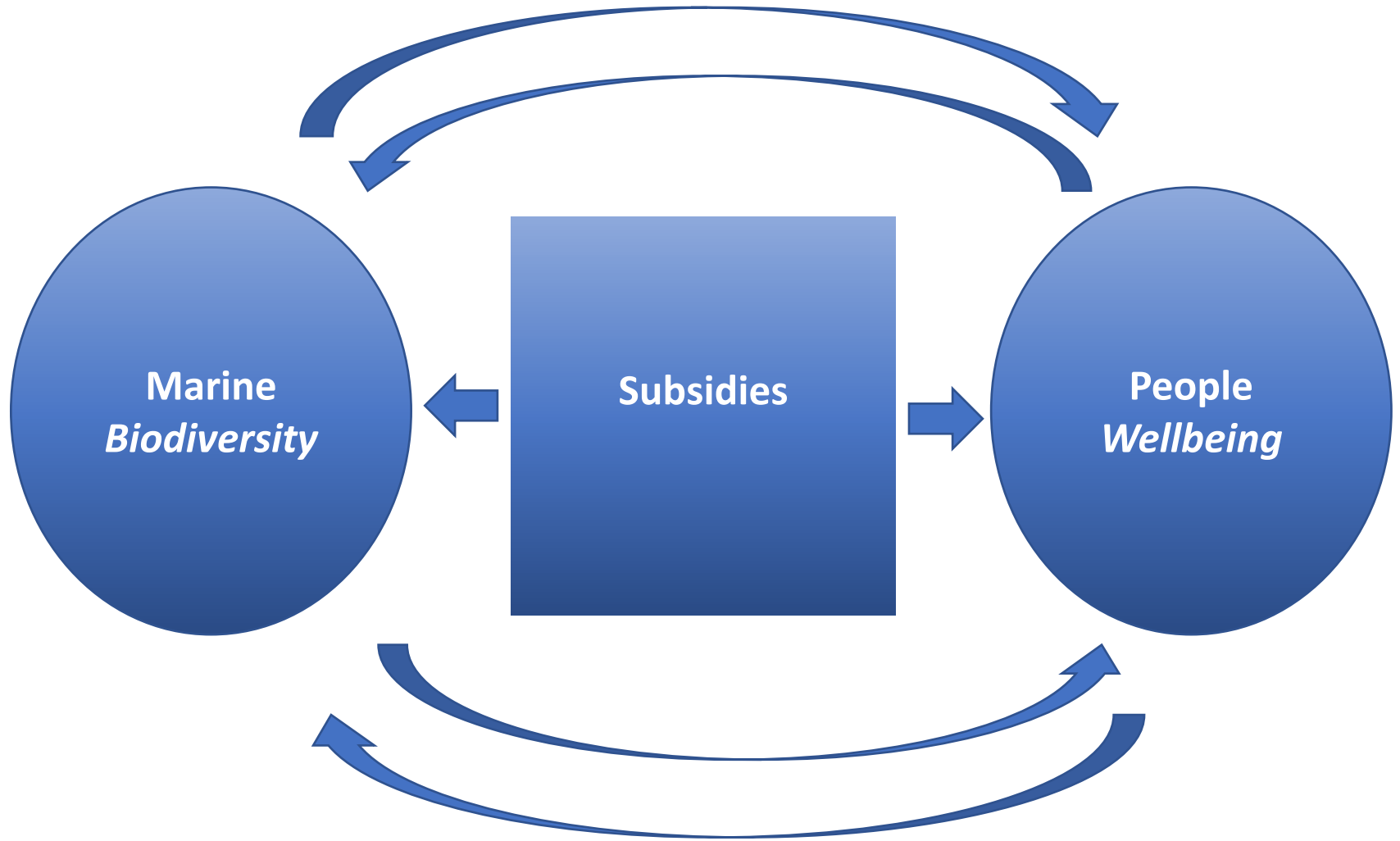
Distribution of subsidy impacts of Top-10 Subsidizers

Country	Domestic Subsidies (USD)	Foreign Subsidies (USD)	High Seas subsidies (USD)	Domestic Subsidies (%)	Foreign Subsidies (%)	High Seas subsidies (%)
China	2,908,760,550.20	2,925,048,939.72	51,831,571.95	49%	50%	1%
Japan	1,793,195,823.21	230,958,757.92	86,415,952.75	85%	11%	4%
Korea Rep	845,668,452.92	421,243,331.40	232,676,674.16	56%	28%	16%
Russian Federation	891,114,046.62	265,177,751.90	5,723,095.99	77%	23%	0%
USA	1,070,954,794.64	40,553,657.02	24,720,288.36	94%	4%	2%
Thailand	346,846,782.94	719,193,612.57	2,812,416.76	32%	67%	0%
Taiwan	275,625,064.01	180,587,793.64	252,203,457.13	39%	25%	36%
Spain	180,374,387.96	444,388,467.16	58,069,557.54	26%	65%	9%
Indonesia	535,276,687.62	599,656.97	30,113,304.55	95%	0%	5%
Norway	354,612,758.61	136,822,468.24	35,800,857.73	67%	26%	7%
TOTAL	9,202,429,348.74	5,364,574,436.52	780,367,176.93	60%	35%	5%

Achieving harmony between people & the ocean

Sumaila & Teh (2020)

Positive Feedback



Negative Feedback

We need to eliminate -ve, promote +ve feedbacks

Thanks for your attention!

and

**Thanks to the conveners of this
meeting for making my
participation possible**

