Impact of Losing Preferential Status: Evidence from the EU's Generalized System of Preferences Reform

Mitali Pradhan, Fordham University

RESEARCH QUESTION

Can the developing countries sustain their export levels and variety to the EU without receiving GSP tariff concessions?

BACKGROUND AND MOTIVATION

- Generalized System of Preferences (GSP) allows developed countries to grant non-reciprocal tariff concessions to developing and least developed countries.
- Lower tariff rates make these developing countries' products competitive and thus provides critical market access.
- Empirical evidence shows that GSP does boost exports of the beneficiary countries. Withdrawing this preferential treatment hurts beneficiary countries' exports.
- The European Union (EU) reformed its GSP w.e.f. January 1, 2014, and preferential treatment was withdrawn for several developing countries and small territories.

OBIECTIVE

Estimate effect of the EU GSP reform on:

- Export volumes and probability of exporting GSP eligible products
- Concentration/diversification of export basket
- Trade diversion to rest of the world

DATA

- Eurostat's international trade in goods database
- Three-way balanced panel consisting of imports of all products from all GSP beneficiaries (current and former) for the period 2010 to 2017
- Annual values of imports to EU from 134 countries. Of these, 52 developing countries and territories form treatment group, remaining 82 countries form control group
- Defined at Combined Nomenclature (CN) 8 level, panel contains 19,949 diverse product lines
- Data for world exports obtained from UN Comtrade database

EMPIRICAL SPECIFICATION

- Export Volumes Inexports_{cpt} = $\alpha_0 + \alpha_1$ Country* GSPproduct*Post + $\lambda_{cp} + \rho_{ct} + \theta_{pt} + \epsilon_{cpt}$ Export Probability $exportdummy_{cpt} = \beta_0 + \beta_1 Country^* GSP product^* Post + \lambda_{cp} + \rho_{ct} + \theta_{pt} + \epsilon_{cpt}$
- Export Concentration/Diversification
- $HHI_{ct} = \gamma_0 + \gamma_1 Country^* Post + \rho_c + \theta_t + \epsilon_{ct}$
- World Exports

 $lnexports_{cpt} = \delta_0 + \delta_1$ Country* Post + $\lambda_{cp} + \theta_{pt} + \epsilon_{cpt}$

RESULTS

Intent to Treat Effect on Export Volumes and Probability

(1)(2)Dependent Variable: Inexpo Dependent Variable: Inexports export dummy Country x GSP product x F -0.002*** Country x GSP product x Post -0.016*** (0.0003)(0.003)Fixed Effects Control Mean 0.0185*** Observations **Fixed Effects** country-product, country-product, Adjusted R² country-year, country-year, product-year product-year Observations 21,385,328 21,385,328 Adjusted R^2 0.76 0.66

CONCLUSIONS

- Estimates show that withdrawal of GSP preferential treatment adversely affected countries' exports to the EU.
- The incidence of loss is greater for countries exporting more than the median exports and for manufactured products.
- This paper provides crucial evidence needed to guide policy decisions about the future of the GSP program.

RESULTS

Dependent Variable:

Country x GSP produ

Fixed Effects

Observations Adjusted R²

Heterogeneous Treatment Effects (by Export Volumes)

-				-
	Below med	ian exports	Above median exports	
	(1)	(2)	(3)	(4)
ž.	Inexports	export dummy	Inexports	export dummy
uct x Post	-0.008***	-0.001***	-0.017***	-0.002***
	(0.002)	(0.0002)	(0.006)	(0.0006)
	country-product,	country-product,	country-product,	country-product
	country-year,	country-year,	country-year,	country-year
	product-year	product-year	product-year	product-year
	9,356,081	9,356,081	9,356,081	9,356,081
	0.49	0.39	0.79	0.69

Heterogeneous Treatment Effects (by Products)

	(1)	(2)	(3)	(4)	(5)
orts	Mineral Products	Machinery	Textiles	Base Metals	Products of Chemica
		and Appliances	and Textile Articles	and Articles thereof	or Allied Industries
D		o ooc**	0.004	a aaattt	
Post	0.002	-0.036**	-0.081	-0.033***	-0.003
	(0.02)	(0.018)	(0.053)	(0.009)	(0.008)
	country-product,	country-product,	country-product,	country-product,	country-product,
	country-year,	country-year,	country-year,	country-year,	country-year,
	product-year	product-year	product-year	product-year	product-year
	514,560	3,804,528	2,011,072	2,347,680	2,676,784
	0.71	0.73	0.83	0.74	0.75
	C T	7 7 T	and the second		