A QUANTITATIVE COMPARISON OF OUTCOMES OF TWO MODELS OF EXTENDED DEGREE PROGRAMME IN SCIENCE

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THE ACADEMIC DEVELOPMENT PROGRAMME

CENTRE FOR HIGHER EDUCATION

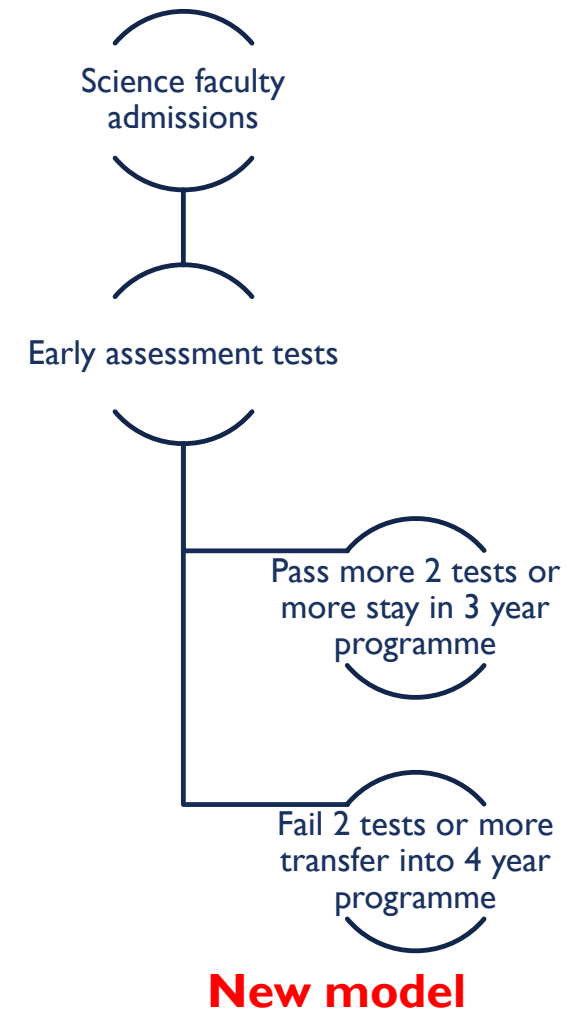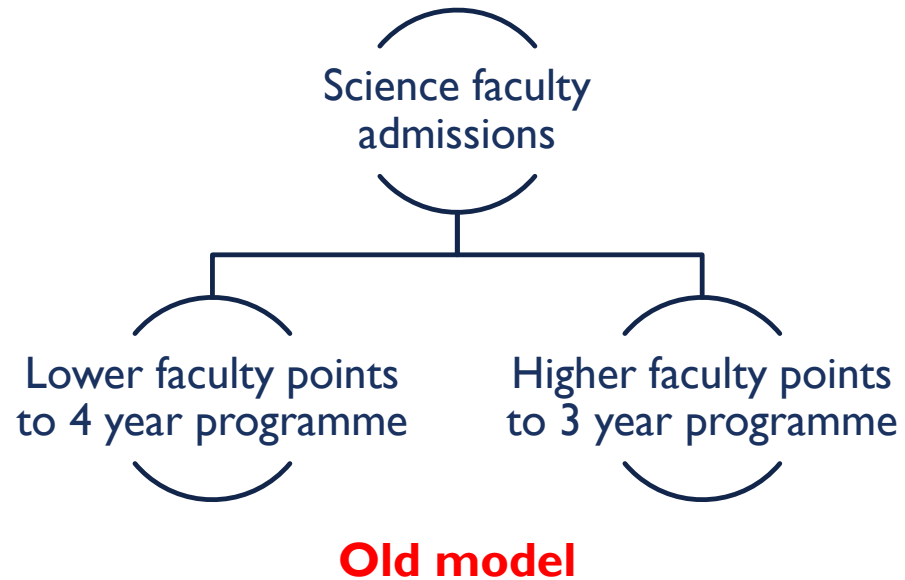UNIVERSITY OF CAPE TOWN

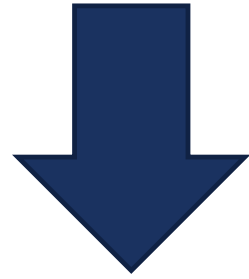# EXTENDED DEGREE PROGRAMME (EDP)

y1	y2	y3	y4

First year courses

DIFFERENCES BETWEEN THE MODELS

Science faculty
admissions

Lower faculty points
to 4 year programme

Higher faculty points
to 3 year programme

Old model

Science faculty
admissions

Early assessment tests

Pass more 2 tests or
more stay in 3 year
programme

Fail 2 tests or more
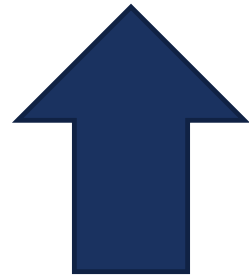transfer into 4 year
programme

New model

AIMS OF THE NEW MODEL

Reduce the achievement gap between 3 and 4 year (extended) degree programmes

Improve graduation rates in the 4 year degree programme

SAMPLE

				Year		
1				2009		
2	1			2010		
3	2	1		2011		
4	3	2	1	2012		
5	4	3	2	2013	1	
	5	4	3	2014	2	1
		5	4	2015	3	2
			5	2016	4	3
				2017	5	4
				2018		5

GEPS   **SEDP**

OLD   **NEW**

	Total	Extended	% in Extended
2009	663	143	27.50
2010	456	85	22.91
2011	415	73	21.35
2012	494	75	17.90
average	**507**	**96**	**22.41**
2013	417	71	20.52
2014	414	110	36.18
average	**415**	**91**	**28.35**

O L D

N E W

INTAKE INTO THE EDP

EXCLUSION RATES HAVE DROPPED

ATTRITION RATES OVER THE EXTENDED DEGREE

■ GEPS ■ SEDP

	END Y1	END Y2	N YEARS	N+1 YEARS
GEPS	43.8	20.2	7.7	1.8
SEDP	15.4	8.6	3.7	1.2
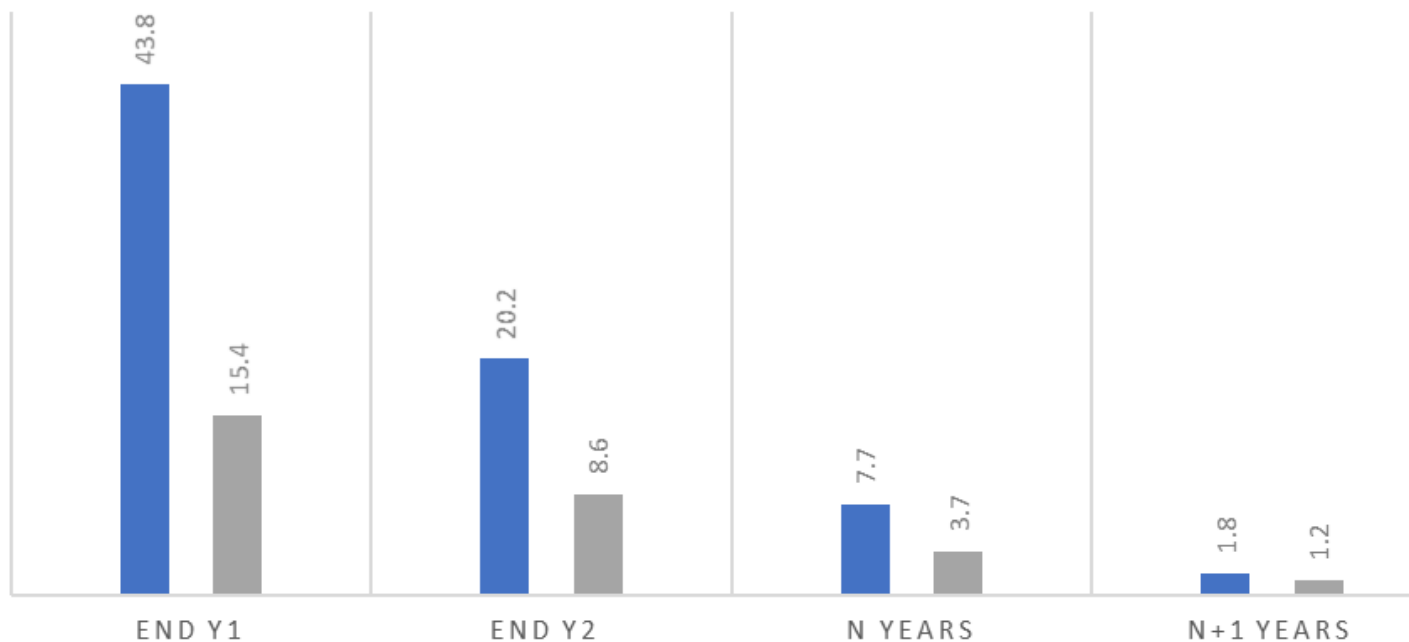
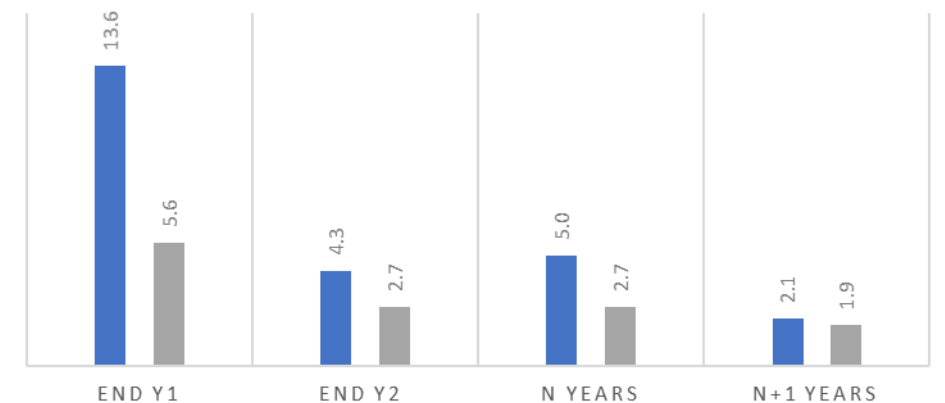**Exclusion rates are presented as a % of 1st year of enrolment**

ATTRITION RATES IN 3YR DEGREE

■ 3Yr Old ■ 3Yr New

	END Y1	END Y2	N YEARS	N+1 YEARS
3Yr Old	13.6	4.3	5.0	2.1
3Yr New	5.6	2.7	2.7	1.9
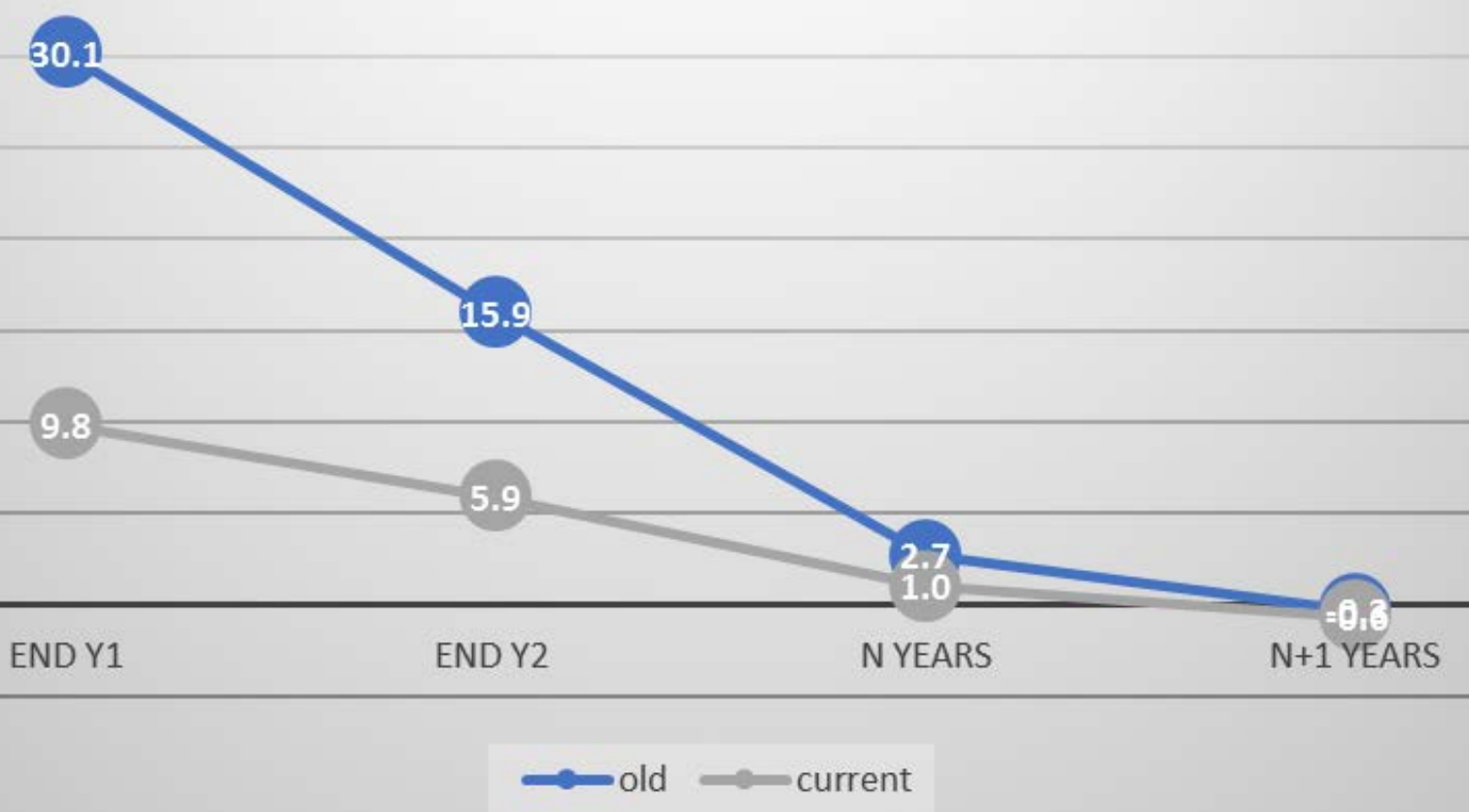
EDP VS 3YR COHORTS

GRADUATION RATES HAVE INCREASED AND ACHIVEMENT GAP REDUCED
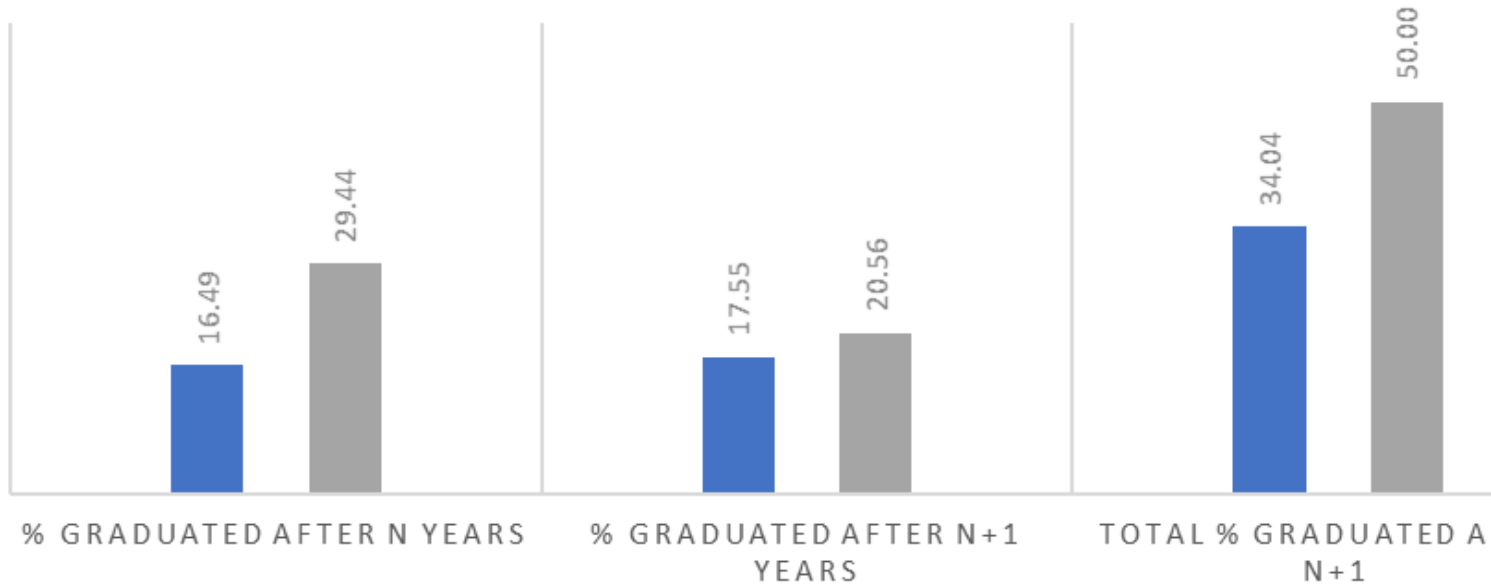
Significant increase in graduation rates of students enrolled in the new model
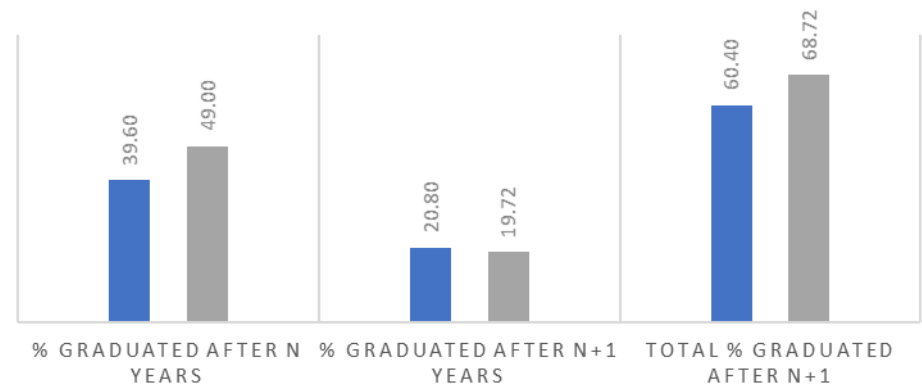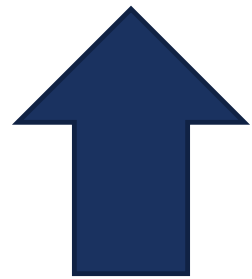
OLD VS CURRENT MODEL
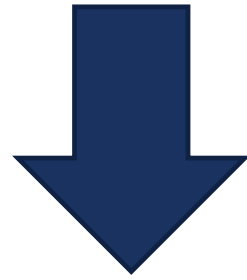
Reduce the achievement gap between 3 and 4 year (extended) degree programmes

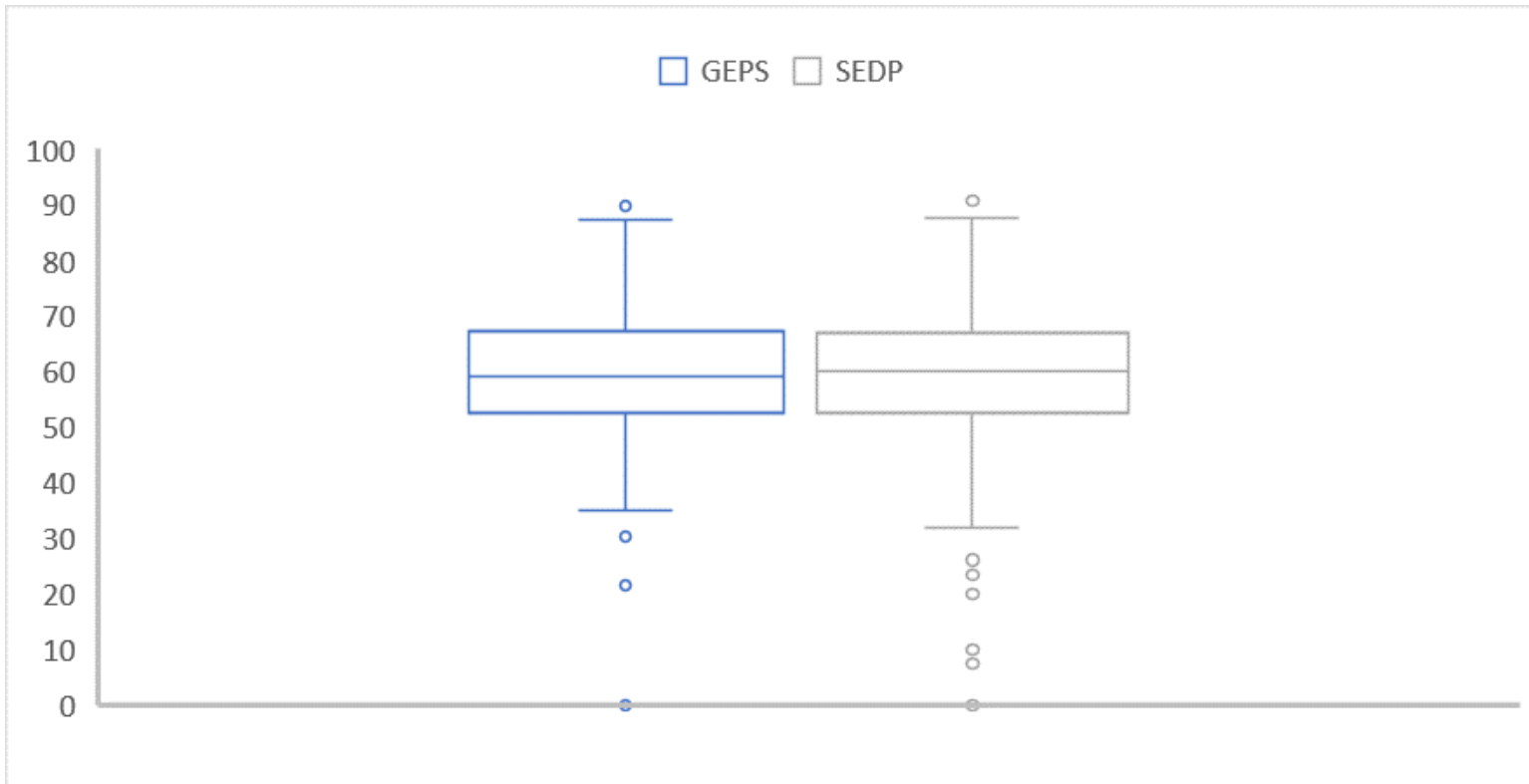Improve graduation rates in the 4 year degree programme

BUT IS IT ENOUGH?

	SEDP	3Yr	DIFF
end Y1	15.4	5.6	9.8
end Y2	8.6	2.7	5.9
n years	3.7	2.7	1.0

Exclusions

	SEDP	3YR	DIFF
% graduated after n years	29.4	49.0	19.6
% graduated after n+1 years	20.6	19.7	-0.8
TOTAL % graduated after n+1	50.0	68.7	18.7

Graduation

PERFORMANCE AT END OF Y1_OLD VS NEW MODEL
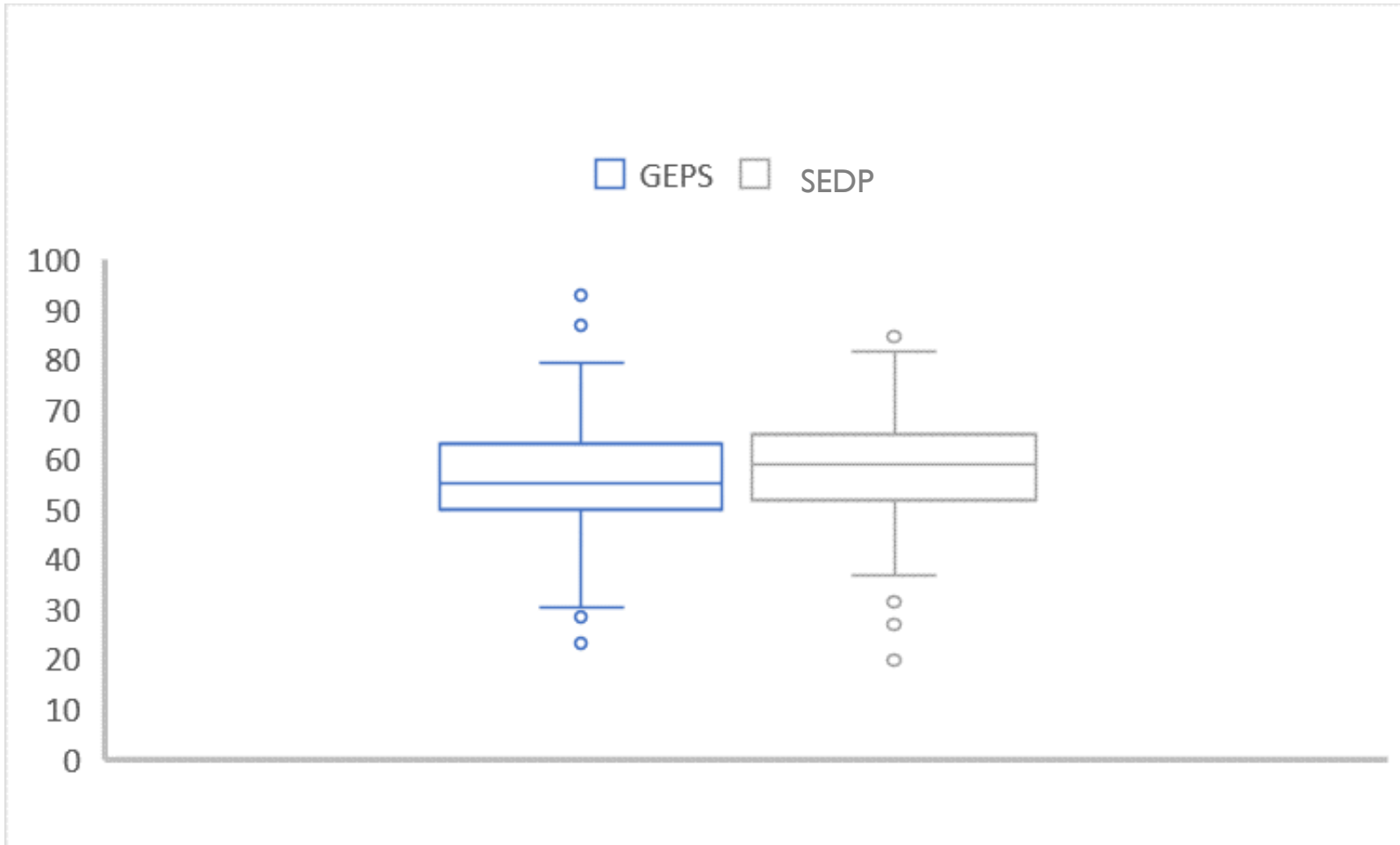
PERFORMANCE AT END OF Y2_OLD VS NEW MODEL

IMPLICATIONS

- Tinkering at the edges not enough

- Need a fundamentally new approach to the ED model

- Science EDP requires a full review