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DOCUMENTATION

Participation on behalf of UNIDO in the

Seminar on O Desafio Das Micro, Pequenas e Medias Empresas, Sao Paulo, 13 November 1990

Dr. Wolfgang König

Professor of Economics
and Director of the Institute of Small Business
University of Göttingen

Baddor Of: Hr. Equilor PO/MESA/LAC

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SEMINÁRIO - O DESAFIO DAS MICRO, PEQUENAS E MÉDIAS EMPRESAS

DATA - 13 DE NOVEMBRO

LOCAL - FIESP/CIESP - Salão Mibre

PATROCÍNIO - Agência Brasileira de Cooperação (ABC)

Instituto Roberto Simpusen - IRS

United Nations Industrial Development Organization -

Unido Federação e Centro das Industrias do Estado de São Paulo

(FIESP/CIESP) . APOIO - Confederação Nacional da Indústria - CNI

> Serviço Social da Indústria - SESI Serviço Nacional de Aprendizagem Industrial - SENAI

MODERADORES - Dr. Barnabé Teixeira Soares, Diretor do DAP, FIESP/CIESP; Embaixador Guilherme Leite Ribeiro, Diretor Executivo da Agência Brasileira de Cooperação (ABC);

Dr. Peter Skupch, Diretor da UNIDO/BRASIL

Fiesp/Ciesp

- 09:00 hs Sessão dε Abertura
 - Discurso do Dr. Mario Amato, Presidente da Fiesp/Ciesp

- Discurso do Dr. Sebastião Burbulhan, Diretor do DAP -

- Projeção do filme institucional sobre a FIESP/CIESP/
- SESI/SENAI/IRS

09:20 hs - Cooperação Técnica, Ferramenta à disposição das micro, pequenas e médias empresas

Embaixador Guilherme Leite Ribeiro, Diretor Executivo da Agência Brasileira de Cooperação

09:40 hs - A UNIDC/PNUD e o apoio às micro, pequenas, e médias empresas

Dr. Peter Skupch, Diretor da UNIDO/Brasil

I. Program of the Seminar

10:00 hs - <u>Técnicas para a classificação de porte das empresas</u>

Dr. Wolfang Koenig, Consultor da UNIDO/ Viena/Austria

10:30 hs - Intervalo para café

10:45 hs - Debates

11:15 hs - As micro, pequenas e médias empresas no contexto do comércio internacional

Dr. Benedito de Sanctis Pires de Almeida, Chefe do DECEX da FIESP/CIESP

11:45 hs - Debates

12:00 hs - Almoço

14:00 hs - BNDES - Apoio creditício às micro, pequenas e médias empresas industriais

Dr. José Darlan Dória Santos - Diretor do FINAME Dr. Ademar Moutinho Ribeiro da Silva, Chefe de Operações de processamento automático do BNDES

- Debates

15:00 hs - A Importância das Micro, Pequenas e Médias Empresas na Economia Brasileira

Dr. Carlos Eduardo Moreira Ferreira, 1º Vice-Presidente da FIESP/CIESP

15:30 hs - A Problemática das micro, pequenas e médias empresas:

Dr. Paulo Roberto da Silveira, Chefe da Equipe de Apoio à Pequena e Média Empresa do SENAI - Serviço Nacional de Aprendizagem Industrial

Dr. Renato Motti - Diretor da Divisão de Orientação Social do SESI - Serviço Social da Indústria

16:00 hs - Intervalo para café

16:15 hs - Debates

i7:00 hs - Encerramento
Dr. Sebastião Burbulhan, Diretor do DAP Departamento de Apoio à Micro, Pequena e Média
Indpustria - FIESP/CIESP

II. Text of Lecture on Techniques and Criteria for Classifying Small und Medium-Scale Industries by Size

- Introduction: Classification as a normative exercise
- Facts about small and medium-scale industries
- Principle means and purposes of classification
 - Excurs on qualitative indicators
 - Classification issues in the macroeconomic context
 - Pros and Cons of quantitative indicators
 - Findings
 - Conclusions
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Techniques and Criteria for Classifying Small and Medium-Scale Industries by Size

Introduction: Classification as a normative exercise;

The topic seems to suit well the German probing mind which is accustomed to deal extensively with concepts and definitions before taking up substantive issues. Maybe one gets the idea to look into the Small Business Law of Germany in order to obtain some orientation with regard to classifying industrial companies. But disappointment will result from this. The Law as well as German circles of academic and business nature have not so far defined the small business sector by applying clear yardsticks. The Law simply says that a small enterprise is a unit that belongs to anyone of 126 trades listed in an appendix to the Law irrespective of the number of employees, the amount of sales or the capital invested. Thus, in Germany there are quite a few "small businesses" with several hundred persons employed. This apparent contradiction results from the notion that the enlisted 126 trades would stand for rather labor intensive productive processes geared to specific orders of customers and not to mass production, a notion that is indeed highly controversial.

The German situation may be taken as an indication of the difficulty to come up with clear ways and means by which to classify industrial enterprises. Any classification of the business population must rely on at least one indicator and on a combination of this indicator with a certain value in order to establish a criterion. This combination involves a normative decision which has to be taken by somebody or some institution except the scientist who can only provide advice but not assume responsibility for the decision eventually taken. The normative element of any classification of companies is due to the fact that one normally classifies in function of some purpose. It is my understanding that FIESP is principally interested in the classification issue because of legal aspects in relation to possible

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promotional measures. This will be taken into special consideration in the following sections.

Facts about small and medium-scale industries

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The delimitation of small businesses has been an issue for many decades. Recently, micro-enterprises constituted a feature of the business population that has attracted much attention. Definitional problems arise in most of the corresponding studies and oftentimes cannot properly be solved. Apart from a generally inadequate data basis, this stems from the fact that the aforementioned segments of the business population, however defined, entail a high degree of heterogenity.

Nobody would doubt, however, that these business groups are of great importance for the functioning of the economic system at large. This is not the place to elaborate on the various merits of micro, small and medium-sized units but it should be noticed in principle that their existence is an essential condition for workable competition preventing undue concentration and enforcing, high level employment, adequate supply of goods and services for private households, human capital formation and a sufficient degree of flexibility of the economy.

Is the importance of these units bound to decline over time? The answer is definitely no as data in the following table 1 would suggest for Germany, a country well on its way to a so-called tertiary society.

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Table 1: The German Business Population and its Dynamics

A. Present situation:

- 3.600 units with an employment of more than 500 persons
- the rest of 1.900.000 units account for 2/3 of employment, 4/5 of training, 1/2 of GDP and 4/5 of patents

B. Trends in employment 1970-87:

- in units < 50 persons employment up by 1,77 Mio
- in units > 50 persons employment down by 0,95 Mio.
- details about employment shares:
 - units < 5 stagnating
 - units 5-19 increasing much
 - units 20-49 increasing
 - units > 500 falling

C. Historical Trends in employment shares:

		1925	1987
-	units < 5	33,0 %	15,0 %
-	units 5 - 200	40,0 %	52,7 %
-	units 200 - 1000	17,0 %	18,2 %
-	units > 1000	13,0 %	14,1 %

The outstanding facts about these data are that there is a tendency towards small to medium size over many decades and that this is, most of all, typical for manufacturing (and not services), a trend that may have to do, to some extent, with a process of reorganization of large units.

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These data are, of course, encouraging for all those who are concerned about the fate of small manufacturing units in the ongoing rapid structural change that is typical for industrialized as well as developing countries. It should, however, be noticed for the purpose of our topic that the data rely exclusively on the indicator of employment.

Principle means and purposes of classification

Next, we will ask which types of indicators one would take into consideration and what the purposes of classification could be. This is depicted in the following table 2. Apparently, it is convenient to distinguish between quantitative and qualitative indicators, whereby it appears that the former are especially useful in the macroeconomic context concerning the fields of application 1. to 3., whereas qualitative indicators would seem to have a microeconomic bias and to rather suit the partial approach of the fields 4. to 6. Although our main interest centers on the macroeconomic dimension, we will briefly deal with the major aspects of the qualitative indicators next.

Table 2: Principles of classifying companies

Field of application	Predominant character of indicator
1. National accounting/census	quantitative
2. Economic policy making	quantitative
3. Private sector representa- tion towards government, etc.	quantitative
Member oriented service delivery of private sector institutions	qualitative
5. Applied scientific research	qualitative
6. National and international business promotion via projects	qualitative

Excurs on qualitative indicators

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There are numerous microeconomic fields of application for qualitative indicators and table 3 is by no means an exhaustive list

Tabele 3: Application of Qualitative Indicators

Category	Viewpoints for indicators		
	Small and medium sized companies	Large companies	
Management	Proprietor-entrepre- neurship	Manager- entrepreneurship	
	Functions linked to personalities	Division of labor by subject matters	
Personnel	lack of academi- cians	Dominance of academicians	
	allround knowledge	specialization	
Organization	highly personalized contacts	highly formalized communication	
Sales	competitive positior not defined and uncertain	strong competitive position	
Buyer's relationships	unstable	based on long term contracts	
Production	labor intensive	capital intensive, economies of scale	
Research and development	following the market, intuitive approach	institutionalized	
Finance	role of family funds, selffinance	diversified ownership structure, access to the anonymous capital market	

in this respect. The table can, however, convey the fact that qualitative indicators are well suited to distinguish between companies by size according to major functions of enterprises. At the same time, it is obvious how complex this task is if one thinks about fixing critical values (criterions) to the possible indicators. The latter should be defined as clearly as possible but cannot be hoped to apply across the board to all cases. Indeed, the various indicators suggested by table 6 may carry a completely different weight from company to company. Again the purpose of classifying companies may be decisive for a design of the whole exercise. In any case, the possibilities of comparative analysis are greatly limited in the microeconomic context.

Classification issues in the macroeconomic context

Now we consider in more detail some major implications of the fields of application of indicators listed as 1. to 3. in table 2. They refer, as was explained before, to the macroeconomic level, they may be in conflict to some extent and are nonetheless quite interdependent. The need for quantitative classification in the macroeconomic context arises because of two principle reasons. The first reason refers to knowledge and information with respect to ongoing processes of structural change, tendencies of concentration and deconcentration in the business sectors as well as conditions of markets for products and factors. Interest and research concerning these aspects may be lead by the notion that there is a more or less optimal way of organizing the economic system with special reference to a healthy and balanced business population.

Second, the need for quantitative classification in the macroeconomic context arises out of a search for a properly oriented policy towards the business sector by which one influences, corrects and compensates. Most of all, this would involve the promotion of micro, small and medium companies as important actors in growth processes and developmental change. Promotional measures can be entirely justified as long as they compensate these companies for their inherent size disadvantages vis à vis large units. The disadvantages may arise out of certain

types of imperfection of competition, the hottlenecks and lags entailed in structural change, limited access to commercial credit and information as well as adverse fiscal and other consequences stemming from highly labor intensive productive processes, to list some major aspects only.

A justifiable policy of promotion would grant allocative subsidies and not distributional subsidies. It must not have the character of social security but be geared towards a support of self help activities on the part of the respective segments of the business population. The promotion would, first of all, try to establish an equality of conditions for all business groups and may play a catalyst role in an effort to accomplish a social market economy free of major distortion resulting from undue monopoly power. It would also complement policy measures aimed at growth and development.

In Germany, for example, the promotion of small and medium sized companies has been broadened from the end of the 1970's onwards in order to facilitate new companies in view of significant structural adjustments in the economy, to create new sources of employment in certain regions of the country and to provide incentives for research in benefit of smaller units.

These observations may lead to a discussion of the instrumental side of promotion, but within the context of the topic of this paper it suffices to say that major issues normally arise with respect to the diversity of potential and actual measures and the degree of centralization or decentralization with which they are applied. In general, the harmonization, consolidation and concentration of measures are highly desirable. One also has to take into account that results are hardly achieved in an automatic way. Most of all, promotional measures must be transparant to the beneficiaries of the micro, small and medium sized business communities. With this in mind we can now look at specific quantitative indicators.

Pros and cons of quantitative indicators

Table 4 contains a list of quantitative indicators that have been taken into consideration in the practical and scientific fields. It is obvious that they address themselves to very different aspects and that some of them are of such a special nature that they would be of only limited usefulness in an effort to quantify industrial enterprises by size.

Table 4: Quantitative Indicators			
Category	Degree of macro- economic operationality	Character	
1. Sales	high	constitutive	
2. Employment	high	constitutive	
3. Fixed capital	reasonable	complemen- tary	
4. Value added	limited	supplementary	
5. Costs of inputs	limited	supplementary	
6. Volume of inputs	limited	supplementary	
7. Volume of production	nil	-	
8. Participation in the market	nil	-	
9. Profits	nil	-	
10. Total sum of	nil	-	
balance of payments			

We have, therefore, specified these indicators in terms of their degree of macroeconomic operationality and character. The former would, most of all, refer to the context of small business promotion to be granted and/or carried out by official entities. The latter has to do with the degree to which the respective indicator by itself would serve to establish size criterions. "Constitutive" means that an indicator of this character can perhaps suffice by itself.

This quality of being "constitutive" can only be attributed to sales and employment because of their rather comprehensive nature to project underlying business activities. Tables 5 and 6 report on their pros and cons; in addition, table 7 outlines strengths and weaknesses of the indicators value-added and profits.

Table 5: Pros and Cons of Sales as an Indicator for Classifying Companies by Size

Pros	Cons
- easiness with which to obtain data	- * Inflation and the business cycle require "dynamization"
- businessmen are accustomed to report	- rigid application leads to regrouping of companies
- indicator may be linked to needs and to possibilities of selffinancing	- "dynamization" creates uncertainty
-* up to date docu- mentation	- average values differ from branch to branch
	- possible discrimination of successful units in the context of promotion
	- * relative weight of the value of inter- mediate inputs from branch to branch
	- influence of stocks of products

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Table 6: Pros and Cons of Employment as an Indicator for Classifying Companies by Size

Pros	Cons
-* Avoidance of problems in terms of "dynamization" and differing shares of value added - Projection of readiness and not performance - subsidies obtained would not be withdrawn in case of productivity gains - easiness with which to obtain data	 turn-over rates part-time employment, role of helping family members necessity to fix a date or period possible discrimination of labor intensive branches role of automatization census data collected irregularly

Table 7: Pros and Cons of Value-Added and Profits as Indicators for Classifying Companies by Size

Indicator	Pros	Cons
Value- Added	 -* "objective" projection in terms of productivity - projection of contribution to GDP 	-" difficulty in obtaining data -" difficulty in estab- lishing yardsticks (criterions)
Profits	 projection of performance projection of needs and stability 	-* valuation - difficulty in obtaining data, specially from small units - difficulty in establishing yardsticks (criterions) -* practicability

The arguments presented in these tables are quite selfexplanatory. Points marked with an asterisk would, to our mind, carry a major weight in the evaluation of the indicators.

Findings

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First the industrial sector is highly heterogeneous when it comes to a classification of companies by which it is made up. This is projected by the various view-points presented in the tables 5 to 7. It should especially be noticed that the values for indicators may move into different directions when considering business expansion, an example being the likelihood that in some branches fixed capital and employment are not correlated which may also be the case of employment and sales. This problem is even more pronounced in an inter-branch comparison which may reveal quite a limited meaningfulness of indicators including the "constitutive" ones. By the way, this situation is even worse if one goes beyond manufacturing and extends the analysis to trade and services. In the final instance, local conditions, regional differences, structural change, the characteristics of production, the nature of products and the like determine that one has to compromise when applying indicators in order to classify industrial companies by size. To compromise may mean to apply indicators in a flexible way and, in concrete, to work with differing criterions. Company size continues to he something of a relative nature. It is not possible to find indicators that would permit an exact classification of the micro, small and medium sized segments of the industrial business population.

Second, it is advisable to work with only <u>one main indicator</u> in view of the partly conflicting nature of the indicators explained above. Considering again the various pros and cons of the indicators, employment appears to be the most convenient, yardstick for industrial companies, whereas sales might do a better job in case of units operating in trade and services. This does not exclude the application of other indicators, but this can only be in

the capacity of secondary indicator with complementary and supplementary functions.

Third, a further significant problem arises when it comes to establishing, in concrete terms, specific size categories. To be sure, the application of <u>one indicator</u> (together with a critical value leading to a criterion) puts a given company <u>definitely</u> into a certain group. But have the limits for this group been fixed properly, be it micro, small or medium? Is the classification representative? The answer is that not only must there be a clear delimitation towards groups above and/or below but, what is more important, the characteristics of companies in <u>one group</u> must also be <u>significantly different from</u> those pertaining to <u>other groups</u>.

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Fourth, the foregoing considerations will lead to the finding that, as a rule, it is in most cases extremely difficult and highly arbitrary to distinguish between small and medium-sized companies by drawing a precise line in terms of the employment indicator (and, if one wants to, the sales indicator, too), since these much talked about two groups cannot be separated on the basis of homogeneity.

The German government for example, considers it advisable, therefore, not to apply a schematic distinction between small and medium and prefers instead to work with the notion of an intermediate sector ("Mittelstand") which comprises the two. It uses a so-called soft delimitation of the intermediate sector towards large units and defines the intermediate size oftentimes with quite different criterions depending on the specific purpose within the context of promotion and fiscal as well as monetary policies and the like. This is apparantly accepted by the respective business community since the soft delimitation is based on the understanding that "intermediate" involves units that normally do not obtain finance via the capital market and are managed by independent owners who assume a corresponding risk. It is interesting to note that thereby qualitative indicators are used to classify, in a "soft" way, the intermediate sector and that this apparently is instrumental for individual companies to develop a

feeling of helonging. It is of further interest that then greatly differing quantitative yardsticks are applied to this qualitative classification in such a way that one effectively deals individually with each case of macroeconomic application including of course the various types of promotion individually. This may be considered a pragmatic approach to which there is not really an alternative.

Fith, the micro sector of the industrial business community merits special attention in developing countries since it is largely identified with the so-called informal sector and exhibits unique characteristics and features:

- it has largely the character of being residual.
- its existence is mainly due to the need of the otherwise unemployed to have a capacity for income generation,
- entrepreneurial functions are rather limited if at all present,
- the amount of capital invested is minimal and productivity is extremal low and
- significant socioeconomic implications for the society as a whole must be taken into account within promotion policies and other contexts.

In view of these characteristics and features it may be convenient and advisable to add fixed capital to complement employment as as yardstick and thereby have two main indicators by which to definitely single out the micro segment of the industrial business community.

Conclusions

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The classification of companies by size is in principle a normative excercise. It does not have a justification per se but is always to be related to some more or less specific purpose. This requires that classification is carried out in a flexible way depending on the given field of application. Looking at the characteristics of the industrial sector in relation to the various possible indicators it is not recommendable to fix a clear and exact drawing line between small and medium-sized units in terms of employment which

happens to be the quantitative indicator of major importance for this sector in an effort to classify companies by size.

The following table 8 summarizes the major findings of this nature and table 9 presents some highlights of the related issue of promotion.

Table 8: Classification of Industrial Companies			
Size categories	Main indicator	Secondary indicator	
Micro	Employment/Fixed capital	(Sales)	
Small/Medium	Employment	Sales	
Large	Employment	Sales	

Goal	Approach	Measures	Viewpoints for criterions
- Number of companies	- physical capital formation	- direct financial assistance - fiscal incentives	necessity, stability, com- pensation, help to self- help, "justice", competi- tiveness, productivity,
- Efficieny		- ownership participation	profitability, accep- tability; simple operational and trans- parent ways and means
- Employment	- human capital formation	-" new business creation"	of application
		- Counselling/ Consultancy	
		- technology transfer	
		- promotion of R&D	

The content of the latter table is intended to underline the fact that the task of promotion is highly complex and that size criterions may have to differ greatly from case to case when the beneficiaries groups to which certain measures are geared are singled out. In the ultimate instance, this may also have to do with limited funds available for promotion.

Finally, concerning the effectiveness and efficiency of promotion one may feel that the above recommendations are still too narrow a ground and that more indicators should be taken into consideration including qualitative ones. If this argument holds, then the case for a decentralization and privatisation of promotion should be made by institutions of self help of the respective segments of the business community which would be an efficient medium for a fine tuned and highly qualitatively oriented approach to assistance of companies. This is, however, only a long term perspective in most developing countries in view of the weak corresponding institutional infrastructure and the slow and tedious process of building it up to the necessary high standard.

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III. Transparencies in Spanish used during Lecture

1.

Importancia de la pequeña y
media empresa: para la
econsmia del mercado

- segurando la funcionabili:
dad del sistema de los
mercados; la competencia
en contra de la conan:
tración

Situacion en Alemania

grande > 500 empleades 3. 600 unidades

1.900.000 unidade, =2/3 emples 4/5 entrenamients

el resto

1/2 PIB 4 de 5 patentes 2.

Alemania: [1970-17] enples 1,77 Mio + en unidades 250 personas 0,95 Mio en unidades > 50 personas Participacion en el emples: unidados 25 estacando unidades 5-19 aumentants mucho unidades 20-49 aumentande unidades >500 reduciendo = tenolencia hacia lo medians - robre tods en la industria !!!

Participación historica:

unidado, 25

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Clarificando Em	presas
Comps de aplicacion	Caracter predu: minonte de indicatores
1: Censo/estaslistices nacione	antifativo.
2. Politica gubernamental	Cuentifaliro
3. Representación de interesos empresariales frente al gobierno etc.	cuentifativo
4 Dryanizaciones inicialina privala: trabajo hacia nacionalmente (servicio pera ministro) 5. Investigacion cientifica aplicada	cualitation
5. Investigación científica aplicada	Cualifatino
Determinados proyectos nacionales e internacione	la Cualitation

Necesidad de la clasificación Cuantitativa en el contexto mecos

- saber, estudios, reportas: procesos estructurales, la concentración y deconcentración, relaciones de mercalos, optimalidad (?), etc.
- influit, corregit, compensat: compu:

 sat la micro, pequincy media empt.

 por desventages que sufre por

 su tamaño

 cuellos de botella estructurales

 impresecciones de la competen:
 - impréfecciones de la competeu: cia - déficits en el sistema 1 rucipios:
 - ayuda a la cultiaguda "
 aregurar condicioni, el.
 - Portalear la economica de
 - * Tromoción como complementación estructural de la politica macro

Indicatores (montifations.

			Grado	}
_	6	rtegoria	ole operacionalidad macro	Caracter
	1.	Ventas	alto 👑	Constitution
		Empleo	alto	Constitutive
		Capital figo	tarinalila	Complexente:
(Valer agregads	limitado	_
		Costos de insumos		
		Volumen de insur		_
	7.	Volumen de produc	ccion) nulo	
	8.	Participación en el morcado	nulo	
(Gamancias	nulo	_
		Suma de la	nulo	
		balanza de pagos		
	-	· ·		-

Problemas generales de les indicatores:

- tiempo, bocalidades: situación peculiar de la microempresa (la dinamica del desarrollo economico, differencias regima: les, subsistencia de micro-unidades)
- heterogenidad (ann dentro del sector manufacturero situaciones: capital fijo T-emplost; enplos - ventas T)
- hay que haces compromisos al aplicas un o varios indicadores el tamaño de empresas sique siendo algo relativo

Ventagas y desventagas del indicator ventas

Ventagos. - facel unsaguir datos - empresares acostum: brades orientación de acuerdo con "necesidal" 7 posibilidad de autofinancia = minto *actualidad

Descentagas inflacion (y conjuntera) exigen una "dinami: rigida aplicación lleva a reagnepacion de em: la "dinamiración cona insegundad volores promedies muy distintos de rama a se castiga empresas exitosas un altas ventas * papel relativo del valer de insumes intr medios papel de existencias

(stocks) de productos

Ventajas y Jesventajas del Indicator Empleo

Perventagas Vertagas -* flucturain del emples * Evita problemas de indicator outer * part-time, familiares a termino de re debe figas una " dinamilación y de valores extremes fecha o un periodo por empleado discrimenseum de - Orientación segun romas intensivas de mans de obra "disposition y (en el conterto de no regun actuación Con el aumento L promoción) * creciente papel de la de productionidad automatiración (puede subir el porithe subsides Censo volamente cada fantos años - facel conseques datos

Ventajas y Desventajas de los Indicatores Valor Agregads y

1	Ventagas) Descentajas
Valor Agres grubs	en el sentido de ser orientado por la productividad - representa contribu:	- dificil Consequir datos - dificil delimitat empresas por tamaño
(195)	- reflege "actuación" - orientación region "necesidad" y estabilidad	- problemes de valorización - dificil corsaquir datos de pequires empresas - dificil delimitar empresas por tamaño - falta de preeti: calilidas

Jara la Industria el indicator empleo es el mas conveniente

Si se aplica solo un indicator
la clasificación es definiti:
va - pero no necesariamente
representativa

Ademas: La clasificación segun tamaño solo es util si

- se tune <u>limites clasos</u> para los respectivos grupos
- las caractériticas de empresas por tamaño son significativa : mente distintas
- entre pequeño y medio no entre pequeño y medio - no se trataria de grupos homogenios (inviene delimitación "suarre según Campo de aplicación (fixel, creditició, campo de aplicación (fixel, creditició,

Resumen (Prodicesion	de empreson inde	. tisles
a) Clasificación tamons	principal	Indicator secundoris
mucto	emples, copilal lijs	(vertas)
pequeño/medis	emples	ventas
grande	emples	ventas
.0: 10	me de aplicace	n Rical

B) Principales compos de aplicación: fiscal, credition, laboral, promoción

(c.)	La promitain:			
Pasciffe, Metas	Enfoque	Medidas	criterios	
1. minuro de empresas 2. Eficuncia (3. (ples	1. Formación de capital humans	- ayuda finan: Ciera directa - inantivos f:: Cales - portipación en el capital (pa: trimorus) - "new busines; creation - asesoramiento - transfrencia de trenelogia R. D.	compensación por devientajes, ayuda a la autoayuda,	
•				

Conclusion.

D'alquera clasificación mas o memos exacta se relaciona a un dasso compo de aplicación. Como hay mulios campos la clasifi: cación. debe se plexible — a base de muy poers indicatores.

(2) La aplicación de indicatores adicionales inclusive cualifications

— en el contexto de apoyorequiere cuerta privatización de la promoción atroves del
sector empresarial y de
sus instituciones.

IV. Transparencies presented by Dr. König in post-Seminar discussion sections on the situation of micro, small and medium-sized companies

Results	Influencing Factors	Indicators for Degree of Effectiveness
A. Expansion of Growth	1. Mobilization of idle resources	Factor markets, especially the employment market, exchange of knowledge, border costs, price elasticity, fluctuations in capacity utilization
	2. Agglomeration/ Deglomeration	Location (Center/Periphery), organization of upstream industries, mechanism of income distribution, geographical harmonization of supply and demand, degree of interdependence in the german economy

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B. Intensificatio	n
of Competitio	n

3. Price

Price variation of inputs and salable products; production costs/tax and duty burdens/gross wage costs per unit of output, size of the procurement market, improvement in productivity, variation in productivity, price/performance ratio

4. Quality

Material and time-related customer preferences, level of real income, technological standard, know-how, capacity for innovation, internationalization of consumption patterns, service intensity, readiness to deliver, schedule effective-ness, precision, delivery time, proliferation of european preferences

5. Product differentiation

Marketing efforts, role of norms and standards, share of production as a problem-solver/order/special output, structures of distribution, flexibility in supply, variety of products, orientation towards special needs, company-specific technical know-how, broadness and depth of the program, examination and certification processes

Geographical range of the sales market Individual and regional customer preferences, intra-industrial specialization, barriers to market entry, potential for cooperation between firms. export intensity of the business, degree of internationalization, potential for internationalization. dependence on locality for subcontractor's orders. characteristics of the product (weight, volume, perishableness), transport and other distance costs, participation in trade lairs, firm-size related organization of industries. number of close competitors

C. Acceleration of structural Change	7. Elasticity of demand	Growth of income, potential for modernizing downstream industries
	8. Product innovation/ Process innovation	Technical rate of progress, R & D expenditures, product cycle, potential for problemsolving, equity base/external finance possibilities Research capacities, capital/labor-intensity of production, potential for rationalization and automatization, innovative proficiency, size of the market, intensity and quality of education, endowment with human capital, process innovation with respect to ageing products, flexible utilization of the process, the applicability of patents
	9. Change of the optimal size of the firm	Potential for cost minimization (economies of scale), fix cost requirement, transformation of value-added linkages, shift of market shares, potential for division of labor and dislocation Serial mass production vs. serial single-item production, marketing strategies of upstream industries, creation of production and marketing posts abroad with downstream industries, change in the range of manufacture
	10. Factor mobility	Barriers to entry, geographic Displacement of comparative production costs, management capacities, the share of unskilled workers, potential for Inter- nationalization, familiarity with foreign countries, language skills, the scope of business functions

V. Report on Seminar by FIESP



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croempresas a criatividade e dinamismo esários

ente da Fiesp/Ciesp, Mario Amato, a abertura do seminário O Desafio as Micro, Pequenas e Médias Emprenas e médias empresas. Segundo ele, tal cooperação se apresenta para as empresas de pequeno porte como uma das maneiras mais fáceis de absorverem as tecnologias mais avancadas que existem em suas áreas de atuação. Com a abertura do mercado a concorrência tende a ser mais acirrada e para que as empresas se capacitem. de acordo com o embaixador, o caminho

THE SOURCE OF CHARGOCACY SECOND SECOND

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Service Service Sand State Charles 1 State 6 11° and 1 18002 State 6 17 - Four 223 204, 234-000 a 220-0000 - Sea; 05-100 - Fex. 220-0000

sp apóia rojeto ente da Federação e Indústrias do Estado lo (Fiesp/Ciesp), Maencaminhou, no últica a todos os deputados MK aulistas telex em que 0 apoio das entidades de Lei nº 580/90, de governo do Estado. le incentivar o investistrial e a descentralizalica das atividades de por meio de reducão do ICMS sobre márelhos e equipamentos. afirma no telex que mos extremamente vade oposta que, em consoas determinações da o estadual, visa a proesenvolvimento equiliregiões de São Paulo, , pela expansão do seaı al, o acesso de toda a a melhores condições micas". E conclui afire é expectativa do em-

ais recomendado deve

mé

vado.

45 4

paulista ver o projeto

de pequeno anele à participação de recursos pr cional. Lemdos no financiamento dos investin nas 250 cmtos, que têm, já esbocadas, três ver % de todas tes principais: reestruturação da intria, para aumento do grau de con , o que por ser conquistitividade no pals e no Exterior: ige capacitadernização e adequação da infra-es conhecer os tura econômica, privilegiando inv tende atuar. mentos do setor privado: e modern ou que mais cão do setor agropecuário, via inco ticinacão no ração e difusão de novas tecnolos () 1º vice-presidente das entida eve ser uma das empredestacou que o caminho adequado ra a modernização da sociedade ou pequeno sa exatamente pela absorcão de tetura do merlogias e ampliação da capacidade ar as emprecom concorprodução das empresas como um rnando obrido, o que conferirá às micro, pe ade, reducão nas e médias empresas uma impor e atendimencia ainda maior do que têm agors ilidade que o Isso se dará pelo fato de que as presas de major porte, às quais mais fácil o acesso ao desenvolvid

se momento.

bus : estaltaram que o papel do BNI

é contribuir nara a expansão da c

cidade produtiva e aumento da con titividade na economia brasileira

A escassez de recursos no âm

do BNDES faz com que a institu

to de pesquisas e consequente ab

cão de novas tecnologias, serão l

das por esse processo a remodela

as na econoidade perma-

nanente

as micro, pe-

que deve ca-

derna dagui

ento de Co-Fiesp/Ciesp,

de Almeida.

: para a par-

suas políticas de produção e concer ce-presidente rem-se no essencial de suas ativida duardo Mo-"delegando a empresas de menor alestra na sete a producão de bens e servicos . å tarde, ele muito lhes custaria administrar". esses segmenMoreira Ferreira advertiu que haverá necessidade de se reformularem conceitos e formas de administração hoje apontadas como instrumentos mais eficazes ao aumento da produtividade entre as pequenas empresas. Isso porque toda literatura e processos atualmente em uso se calcam no modelo de administração norte-americano, voltado basicamente para as grandes organizações, e que têm provocado graves erros na gestão das PMEs.

Sesi e Senai

As atividades do Serviço Social da Indústria (Sesi) e do Serviço Nacional de Aprendizagem Industrial (Senai) em apoio ao segmento foram levadas ao seminário pelo chefe da Equipe de Apoio à Pequena e Média Empresa do Senai, Paulo Roberto da Silveira, e o diretor da Divisão de Orientação Social (DOS) do Sesi, Renato Motti.

Silveira relatou que a partir de 1980 o Senai reformulou suas atividades, sem abandonar a linha mestra de atendimento às empresas de maior porte, para dar suporte às micro, pequenas

e médias. Essa atividade complementar se desenvolve em duas áreas básicas, que são a de formação de recursos humanos e assistência tecnológica

Já neste ano, o Senai deu início aos programas de formação de microempresários, com o objetivo de propiciar a estes segmentos a melhoria no desempenho, aumento da produtividade e otimização dos lucros. Silveira constatou, porém, que a este trabalho devem se somar outros esforços para que se atenda às reais necessidades das MPEs.

O convênio assinado entre a Fiesp e o Sesi, que fornecerá cursos por correspondência a pequenos empresários de todo o Estado, foi lembrado por Renato Motti como uma das mais recentes ações do Sesi em apoio às MPIs. O programa contempla 70 cursos nas mais variadas especialidades administrativas.

Segundo Renato Motti, esta é uma das melhores formas de apoiar o pequeno empresário que, por estar envolvido diretamente no processo produtivo de sua empresa, tem pouco tempo para solucionar problemas relati-

vos ao aprofundamento de conhecimentos. Para Motti, é preciso criar cada vez mais oportunidades de aprimoramento das pequenas e médias empresas, "que na Itália, por exemplo, fizeram ressurgir uma economia que definhava".

Através dessa mesma ótica, o diretol \$\delta\$ DAP, Barnabé Teixére Soates, ao encerrar o seminário, rmou que "o papel reservado às em presasde pequeno porte no desenvolvimento econômico do país é incontestável; e o momento atual exige efetivamente, acima de tudo, uma constante troca de informações e experiências em proveito de todos".

Examinando a interdependência entre os empreendimentos de pequeno e grande portes, Teixeira Soares destacon que os dois grupos jamais existirão de forma isolada. Para ele, os pequenos necessitam de ampla liberdade econômica para crescer, via desregulamentação e estabilidade econômica.

No dia 14, os promotores do seminário organizaram mesa-redonda para troca de informações entre os técnicos de outros países e empresários participantes.

CURTAS