

Overview	Ovei
•The problem: industrial-scale translation	Overview
•FAQs: what's MT? •Can machines really translate?! •Can we fire our translators now?	
 Limitations: what MT can't do Why is the output so bad? What is MT good for? 	
•Return on investment: Benefits of MT •How much does MT cost? •How can we convince our bosses to buy MT?	
•Workflow: MT in action •Why buy MT if it's free on the internet? •What other kinds of translation automation are there? •How do we use it?	
•Kinds of MT Systems •Rule-based, statistical, and hybrid	2









"Industrial scale" mean	IS			Indus
More	Better	Faster	Cheaper	trial-sca
More	Better	Faster	Cheaper	Industrial-scale translation
More	Better	Faster	Cheaper	slation
MoreE	Better F	astel	neaper	
More	ett e a	stee	aper	
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Original source Emerging Markets Take Record Share of World Equity (Update1)	Raw Google (customization not possible), original source Emerging Markets Take Record Part du World Equity (Update1)		Limitations:
By Michael Patterson and Laura Cochrane	By Michael Patterson et Laura Cochrane		ē
July 3 (Bloomberg) Developing countries' share of worldwide equity value climbed to a record as the fastest-growing economies lured investors amid the first global recession since World War II.	3 juillet (Bloomberg) - Développer la part des pays dans le monde entier la valeur a atteint un record de la plus forte croissance économique a attiré les investisseurs au milieu de la première récession mondiale depuis la Seconde Guerre mondiale.		
The 22 nations <that were=""> classified as "emerging" by index provider MSCI Inc. comprised 24 percent of world market capitalization, up from 18 percent at the start of this year, the highest proportion since Bloomberg began compiling the data in 2003.</that>	Les 22 pays classés comme "émergents" de l'indice MSCI Inc fournisseur comprend 24 pour cent de la capitalisation boursière mondiale, contre 18 pour cent au début de cette année, la proportion la plus élevée depuis Bloomberg a commencé la compilation des données en 2003.		What MT can't
China shares surpassed \$3 trillion yesterday for the first time since August, from \$1.8 trillion at the end of 2008.	La Chine partage dépassé \$ 3 billion, hier, pour la première fois depuis le mois d'août, à partir de \$ 1,8 billions à la fin de 2008.		t do
The increase signals growing confidence in developing countries as equity investors, spurred by interest-rate cuts and stimulus plans, redeploy cash after the worst U.S. losses last since the Great Depression.	L'augmentation des signaux de plus en plus confiance dans les pays en développement que les investisseurs, stimulée par des taux d'intérêt des coupures et des plans d'incitation, de redéployer en espèces après la pire des états-Unis pertes dernier depuis la Grande Dépression.		
The MSCI Emerging Markets Index rose 35 percent, beating a 2.9 percent advance in the MSCI World Index of developed economies and lifting the value of stocks to \$8.6 trillion from \$5.1 trillion in 2008	L'indice MSCI Emerging Markets Index a augmenté de 35 pour cent, en battant l'avance de 2.9 pour cent dans l'indice mondial MSCI des pays développés et la levée de la valeur des stocks à 8,6 billions de \$ 5.1 billions de \$ en 2008		
"Everyone is trying to jump on that bandwagon," said Nicholas Field, who helps manage about \$11 billion in emerging- market stocks at Schroders Plc in London.	Tout le monde tente de sauter sur cette aventure», a déclaré Nicholas Field, qui permet de gérer environ 11 milliards de dollars en actions des marchés émergents à Schroders PIc à Londres.	© Mike Dillinger,	
		llinge	
		-, 2010	20

Emerging Markets Take Record Share of World Equity (Update1) Par Michael Patterson et Laura Cochrane By Michael Patterson and Laura Cochrane July 3 (Bloomberg). Developing countries now have a record-Le 3 (Bloomberg) juillet. Les pays en voie de développement ont breaking part of world equity. Their economies are growing quickly and they lured investors, even amid the first global recession since World War II. mondiale. The 22 nations that were classified as "emerging countries" by index

provider MSCI Inc. comprised 24 percent of world market capitalization. This increased from 18 percent at the start of this year. This was the highest proportion since Bloomberg began compiling the data in 2003.

Adapted source

China's part surpassed \$3 trillion yesterday for the first time since August, from \$1.8 trillion at the end of 2008

The increase signals growing confidence in developing countries as equity investors. Spurred by interest-rate cuts and stimulus plans. they are redeploying cash after the worst U.S. losses since the Great Depression.

The MSCI Emerging Markets Index rose 35 percent. This beat a 2.9 percent advance in the MSCI World Index of developed economies and lifted the value of stocks to \$8.6 trillion from \$5.1 trillion in 2008.

"Everyone is trying to jump on that bandwagon," said Nicholas Field, who helps to manage about \$11 billion in emerging-market stocks at Schroders Plc in London.

Improved MT with adapted source and dic customization

Les marchés émergent prennent partie record de situation nette modiale (Update1)

maintenant une partie record de situation nette modiale. Leurs économies croissent rapidement et ils ont leurré des investisseurs, même entre la première récession globale depuis seconde guerre

Les 22 nations qui ont été classifiées comme "pays émergents" par Les 22 nations qui ont ete classifiere comme pays energients par fournisseur de l'indice MSCI Inc. compris 24 pour cent de capitalisation de marché mondial. Cela a augmenté de 18 pour cent au début de cette année. C'était la plus haute proportion depuis que Bloomberg a commencé à compiler les données dans 2003.

La partie de Chine a dépassé \$3 billion hier pour la première fois depuis août, de \$1.8 billion à la fin de 2008

L'augmentation signale la confiance croissante au pays en voie de développement comme investisseurs des capitaux propres. Talonnés par les réductions de l'intérêt-taux et les plans du signal, ils redistribuent la liquidité après le plus mauvais U.S. pertes depuis la Grande Baisse.

L'Indice MSCI des marchés émergents a augmenté 35 pour cent. Cela a battu un 2.9 pour cent avance dans l'Indice Mondiale MSCI d'économies développées et a soulevé la valeur de titres à \$8.6 billion de \$5.1 billion dans 2008.

Tout le monde essaie de prendre ce train en marche, a dit Nicolas Field qui aide pour diriger approximativement \$11 miliard dans les actions des marchés émergents à Schroder Plc à Londres.

Limitations: What MT can't do





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	MT is designed for:	
Adaptations by writers		Adaptations of MT
Manage terminology and vocabulary explicitly	Familiar (to the system) words and phrases	Add words and phrases to dictionary
Manage writing style explicitly	Familiar (to the system) sentence types	Extend grammatical coverage; couple translation memory
Manage writing style explicitly	Literal predictable meaning	Extend semantic coverage; couple translation memory
Use standard file formats	Standardized file formats	Add filters and converters
Write to minimize post-editing	Post-editing	Extend system performance to minimize post-editing
		The adaptations converge
	Very fast processing	
	Very large volumes	





Introduction to MT	
ROI: Benefits of MT	
Translation Optimization Bartners	27





efits of MT			
Time	Internal benefits	Market benefits	
Delivery time 4 times faster or more	Much more flexibility Shorter launch schedule	More sales opportunities Better user experience	
Volume			
4 (or more) times more content in the same period	Scalability	Better user experience	
Consistency			
More consistent terminology use	Better indexing and search	Better user experience	
More consistent writing	Better indexing and search	Better user experience	
Lower operating costs			
Generally 50% lower	More funds for improvements	More sales opportunities Better user experience	
More languages			
Less translation effort per language	Scalability	More sales opportunities Better user experience	© MIKe
			Mike Dillinger, 2010











at are these costs for? (1)		
Input		
Monitor translatability	Beneficial without MT	
Convert to standard file formats	Beneficial without MT	
People		
Writers: Manage terminology and vocabulary explicitly	Beneficial without MT	
Writers: Manage writing style explicitly	Beneficial without MT	
Writers: Use standard file formats	Beneficial without MT	
Editors: Train to edit for MT input	Beneficial without MT	
Project Managers: Train to minimize post-editing and delivery time	Beneficial without MT	
MT operator: Train or hire	***	
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		Mike Dillinger,
		er, 2010
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What are these costs for? (2)			ROI:
Process			: Benefits of MT
Develop pre- and post-processing tools and procedures	Beneficial without MT		fits (
Develop evaluation metrics	Beneficial without MT		of M
Technology			-
Add words and phrases to dictionary	Beneficial without MT		
Extend grammatical coverage; couple translation memory	***		
Extend semantic coverage; couple translation memory	***		
Add filters and converters	***		
Extend system performance to minimize post-editing	***		
Integration with existing systems	***		
		0	
		Dilling	
		Mike Dillinger, 2010	37









More output from e	each translat	or Next p			Industr
Transl	ator's action	Result	Changes in work		ial-s
Translate o one docun	one segment in nent	Manual Translation One translated segment, in one place, in one document	-None		Industrial-scale translation
	We need to captu	ire and multiply translator effort = cre	ate "leverage"		ıslati
Translate one docun	one segment in nent	With Translation Memory The whole translated segment in different places, in many documents -Not "portable" to different domains Some leverage, some revision	-Skip some sentences -Revise more -Translate from scratch less		on
Translate o one docun	one segment in nent	With TM + Machine Translation Pieces of the same translated segment in different places, in many documents -Now "portable" to different domains More leverage, more revision	-Skip more sentences -Revise more -Translate from scratch less	© Mike Dillinger,	
				nger, 2010	42























Kinds of MT sy	vstems	St	atistical MT	Kinds of MT systems
	Statistical MT		Why you should care	of
	~200 words per second		Usually not a factor for localization	MT
1 1	Issues with word order	×	More complex edits	syst
	lssues with sentence structure	×	More complex edits	ems
	Better at choosing phrasing and stylistics	Ø	Fewer edits about word choice	
1 1	Global customization		Very convenient but	
	Few tools for targeted customization	×	Hard to make specific changes	
	Simple, efficient training from existing translations	Ø	Very convenient built-in feedback to reuse human translations	
	Easy to build for new languages	M	But only if you have many existing translations	
	For the moment, more expensive	X	o Mike Dillinger,	
			2010	54







