

Goldmedia Mobile Life Report 2012 *Mobile Life in the 21st century Status quo and outlook*

Supported by BITKOM

Berlin, October 2008

Goldmedia GmbH

Media Consulting & Research

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1. Executive Summary "Mobile Life 2012"

- 2. Overview: "Mobile Life"
- 3. Framework Conditions for "Mobile Life"
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1. Executive Summary: "Mobile Life 2012"





1. Executive Summary: "Mobile Life 2012" Mobile phones are part of the everyday life!



Importance of mobile handsets in Germany 2008 "I agree completely / I substantially agree with the following statements:" 0% 10% 20% 30% 50% 40% I cannot imagine a life without my mobile 43.2% phone. I feel naked/incomplete without my mobile 26.0% phone. My mobile phone already replaced other devices 23.3% (e.g. MP3-player, camera, notepad, pen, etc.) With mobile phones I organise my entire private 15.6% life. Add-ons (such as camera, MP3-player, organiser, etc.) are more important for me than voice 13.0% telephony. With mobile phones I organise my business life. 10.6% I save all my important personal data on my 10.6% mobile phone.

Source: Goldmedia Online Survey 2008, n=296 (18-35 years, DE)

Online survey

- Almost half of respondents cannot imagine a life without their mobile phone, ¹/₄ feel "naked" without their handset.
- One quarter already replaced different devices such as MP3-players, cameras, etc. by mobile phones.
- Only ~10% use mobile handsets to organise their private and business life!

Conclusion

 Mobile phones are the Nº 4 medium in Germany right after Internet, PC and TV.

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1. Executive Summary: "Mobile Life 2012" Communication habits and social behaviour has changed!

Communication environment change

 Being "always on" gives users the feeling of "being in demand" and "needed"

 Artificial creation of "public communication spaces" helps people to play down insecurity or social isolation: Every 4th confessed to having already simulated a telephone call!*

*Source: James E. Katz "Mobile Kommunikation und die Transformation des Alltagslebens: Die nächste Phase in der Mobiltelefon-Forschung. In: Glotz/Bertschi/Locke (Hrsg.): Daumenkultur.



Impacts on social behaviour

Rise of new business ideas such as "Fake-It":

"With Fake-It, now you can make your phone receive important calls from your wife or your boss (shown as Caller ID), when you need an excuse to leave a boring meeting."



Source: www.clickapps.com/moreinfo.htm?pid=15835§ion=S60V3

- Social respect and appropriateness are declining: Talking by phone or listening to music in public transport, checking mails over smartphone in meetings or even answering "urgent calls" during a romantic candlelit dinner is becoming more and more normal.
- "Acoustic environmental pollution": 69% annoyed by people talking on their phone in public, 63% bothered by ringtones!*

Source: Survey by Aris for BITKOM 2008, n=1,001 (14+ years in DE)

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2. Overview: "Mobile Life"

Mobile Life encompasses all mobile B2C services & applications!



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3.1 Technical conditions Growing usability, functionality and storage capacity!

Development of mobile devices and technologies in Germany



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3.1 Technical conditions

Data transfer rate increases as transmission time declines!



3.2 Economic parameters: Mobile market High penetration and strong market power of MNOs in DEP



Summary

- Mobile subscriptions doubled within seven years (2000-2007).
- Mobile penetration: more than 125% in Q2/2008!
- Figures of inactive members (e.g. unused but registered SIM cards from prepaid providers) are included.
- Significant growth in 3G subscriber figures since rollout of UMTS services in 2005 in Germany.
- Strong market power of the MNOs: E-Plus, T-Mobile, Vodafone and O2 share 75% of the entire market!

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3.2 Economic parameters: Mobile market Shrinking ARPU and revenue in Germany!



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3.3 Market development end user devices Mobile and smartphones are more popular than PDAs!







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4. Useage habits in Germany

Mobile music, games and internet most popular functions!

Usage of m-entertainment services in DE 2008

"Which applications/functions do you use on your mobile phone at least once a month or even more frequently?"



Basis: Men and women in DE between 18-35 years (n=296)

Conclusions

- The Goldmedia Online Survey proves that voice telephony is still the mostfrequently used function on mobile handsets (96%).
- SMS is the Nº 1 non-voiceapplication (92%).
- More than half of all respondents take and view photos or listen to music at least once a month.
- Less than 50% play mobile games regularly, about 1/3 uses internet & write e-mails at least once a month.
- Navigation services and LBS are not very popular yet.
- Mobile TV brings up the rear of all mobile entertainment services investigated (7%).

4. Usage habits in Germany Young consumers love mobiles, SMS favourite data service!



Top 10 mobile phone features



Development of talk time & SMS



Conclusions

- Young consumers (14-29 years) are an attractive target group with ~13m users.
- Due to demographic change, more and more elderly people (40+) use mobile phones → Challenge: services and mobile devices should be adjusted for different target and age groups!



Senior device "easyuse"

- Most-used features (after voice telephony): SMS, address book and camera.
- Development of SMS sent (2000-2007): 11.4-22.4bn

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5.1 Mobile entertainment 2/3 of 15-27 year olds cannot live without their mobile!



- The youngest age group has the strongest ties to mobile handsets!
- People prefer media with which they grew up: Mobile technology, internet and games among 15-24 year olds.

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• 41-54 year olds rather use traditional media such as TV, radio or print products.

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5.1 Mobile TV and mobile radio Radio is popular! Mobile TV (DMB/DVB-H) failed in DE!

Most frequently-used data services Interest in mobile radio and TV 2006





Conclusions

- Radio is part of media-usage habit!
- Video downloads are not very relevant; mobile TV is still in its infancy: 32% of the users are not interested at all, almost ¹/₂ would not accept extra costs*
- watcha! (1st commercial mobile TV over DMB, launched in May 2006) shut down its service in May 2008; Mobile 3.0 (German consortium which planned to launch a mobile TV subscription service over DVB-H) ceased before its start in mid 2008
- Mi Friends trial and commercial offers (S-DMB in South Korea) show high uptake of mobile radio services

*Source: "Mobile usage habits in Germany 2008", TNS Infratest /E-Plus Group, n=1,502

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5.1 Mobile games Moderate growth in DE, pre-installed games are preferred!



Mobile games advertising

Revenue from ad-financed mobile games is estimated to grow from 97m US\$ (2007) to 1.3bn US\$ (2012) worldwide*.



This kind of advertising will become popular and accepted by users. It could boost usage of mobile games.

*Source: eMarketer 2008



Status quo

- In Q2/2008, worldwide \sim 10.9m people used their mobile phone for playing mobile games*.
- Only 5.8% of the total amount of digital gamers in Germany (which make out more than 1/3 of all gamers) use their mobile handset for playing!**
- Special mobile-gaming end-user devices (a mix between games consoles and mobile phones) are less than successful. Nokia N-Gage



Challenge: Adjustment of games to make them compatible for every end-user device.

*Source: ComScore 2008, **BITKOM/Ipsos 2008

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5.1 Mobile games Users prefer classic games! EA Mobile is the market leade







5.1 Mobile social networks & communities Social networks: Drivers of the mobile internet?



Friendster

Bebo

Netlog

yes

yes

partly

English

English

German (+20 other languages)

opportunity to drive mobile internet usage to a level comparable with online internet usage!

OKO OK

5.1 Mobile music

Further growth due to flat rate business models?



Paid music downloads in Germany 2004-2007



Mobile music revenues in Germany 2004-2007



Conclusion

- The German music download market is limited due to illegal download services.
- Nevertheless, there is a constant (but limited) growth in download and revenue figures.
- Share of mobile downloads is about 10% of the total downloads.
- Share of mobile music revenue in relation to total music download revenue is about 10 % as well.
- Further growth in mobile music revenue is possible
 - induced by flat fees.

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5.1 Mobile music Ringtones – Decline after the hype?





Reasons and consequences

- Realisation: Ringtones are high priced goods!
- Opportunity of user-created ringtones rises (usage of music files for ring tones)!
- Janster
- Results: Interest in purchasing ringtones wanes! Shrinkage of 6.6m units within only one year! Declining profitability of ringtone aggregators such as Jamba/Jamster, Musiwave & Co.
- Uptrend of personalised entertainment service which allows subscribers to replace a standard ringback tone with a melody or voice message.
- Consequence: Many players expand their core businesses into music, video, information services, games or magic tricks!



Estimated willingness to pay lies between 125 and 376 Euros per year.

5.1 Mobile music

Sideloading could menace new business models!

Rise of new business models: music flatrates for mobiles

- Nokia's "Comes with music" service launched in cooperation SONYBMG MUSIC ENTERTAINMEN with Universal Music, Sony BMG and Warner Music in UK in Oct. 2008. Rest of Europe and Asia will follow in 2009.
- Business model: purchase of a mobile device together with a 1-year music flatrate; for another 1-year flatrate the customer needs to purchase a new mobile handset.
- Sideloads vs. downloads
- Definition: Sideloading allows users to transfer music via data cable, WiFi or Bluetooth bypassing the carrier-sanctioned mobile download.

Source of mobile music consumption as percentage of active listeners, DE Nov. 2007



Conclusions

warner music group

- Sideloading music is by far the most popular way to consume music over mobile phones so far.
- Sideloading music via PC instead of downloading it directly on mobile phones is responsible for about 90 per cent of the mobile music consumption.
- Subscription models highly attractive for music industry.
- No paid services are existing today: If major operators and device manufacturers introduce mobile paid music services esp. by flat fees, high customer demand can be expected.
- Mobile music market development and potentials can be estimated when first lessons are learned with new mobile music business models.

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5.2 Mobile internet

Number of 3G phones grows, but Germany sluggish!



Mobile subscribers in Germany 2007



Source: Goldmedia, BITKOM 2008, *Mobile Web Watch 2008 - internet usage figures are equivalent to a 13% usage penetration of 26m users equipped with internet capable mobiles

Summary

- Leading countries for mobile internet penetration: USA, UK and Italy. Delay in Germany: Only 7.4% of all mobile phone owners use mobile internet.
- 26m Germans own an internet-ready mobile phone! But only 13% of them use it!*
- Diffusion of 3G handsets began late.
- Reasons for reluctance to adopt mobile internet in Germany: price models of M(V)NOs, inadequate equipment, slow site load time, lack of user friendliness, poor site navigation

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5.2 Mobile internet

E-mails, news and mobile search (navigation) are popular!





5.2 Mobile Internet: Mobile search

Mobile search will grow with 3G penetration.





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5.3 Mobile advertising & marketing Global ad market should grow to 14bn US\$ by 2011.



					_	_				
	Types	s of m	obil	e ma	arke	ting	J			
Mobile advertising	Pull		oile inter dvertising		port	als, tar	anner ads on online rget-word marketing & radio, games, etc			
Mobile permission marketing (MPM)	Push	Mailing of advertising messages provided that the user declared their approval			Types: mobile couponing, SMS/MMS, voice cards, etc.					
Mobile direct response marketing (MDRM)	pbile direct ponse rketing DBM)			iated by the mobile whone user whose which is caught by a classic advertising nedium such as a ster, magazine, TV- spot, etc.			Types: SMS/MMS, voice newsletter, mobile coup etc. Source: Goldmedia/Mobile Research (
Forecast: W	/orldwide	volume of	the mo	bile ad	market	in bn	US\$ p	er ad t	уре	
0 2	4	6	8	10	12	14	16	5		
2011e				·			14.4	4		
2010e					10.9					
2009e		7.6	7.6		 Mobile TV & VoD (commercials) Mobile search advertising In-game / application advertising 					
2008e	4	.2			Dire	ect mar	keting (sms/mn	-	
	-				Dis	olay/We	b adve	tising		

Source: Strategy Analytics "Global Mobile Advertising Updates" 2007 e=estimation

C)

2007

1.5

Growing global market

- Estimated volume for mobile advertising in 2011: over 14bn US\$!
- Display and mobile search advertising are estimated to make up the largest part of advertising revenues within the next years!



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5.3 Mobile advertising & marketing Mobile advertising as a financial basis of Mobile Life.







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5.4 Mobile commerce, payment & ticketing Mobile ticketing as top 1 mobile commerce service.



Conclusions

- The most popular mobile commerce service is mobile ticketing!
- 3 of 4 people are willing to order their tickets for public transport, flights or cultural events via mobile phone.
- Juniper Research estimation: over 2.6bn mobile tickets will be delivered to over 208m mobile phone users by 2011.







5.4 Mobile commerce, payment & ticketing 75% of Germans are not interested in m-commerce!



Conclusions

- Most open-minded target groups are men and the age group between 18-34 years!
 33% of them would buy products via mobile devices. Only every 6th woman is interested in m-commerce.
- Problem: There is no service available yet. If it is possible to pay by phone, a higher acceptance of mobile payment will probably occur.



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5.5 Mobile navigation & location-based services

Fierce competition between manufacturers!



GPS-equipped mobile handsets ...in millions, 2004-2011 (worldwide forecast) 500 400 300 n millions 200 CAGR+50.6% 100 25 0 2006 2007e 2008e 2009e 2010e 2011e 2004 2005 Source: Forecast iSupply Corp. 2007 e=estimation

Market situation

 Fierce competition between classic navigation device manufacturers such as TomTom, Garmin, etc. and mobile phone manufacturers.



VS.



Garmin's nüviphone

Nokia's 6110 Navigator

- Market characterised by mergers and acquisitions.
- Nº 1 mobile device manufacturer Nokia boosts its navigation services: In October 2007 Nokia bought the US map service Navteq for 5.7bn US\$.
- Navteq offers digital maps for navigation devices for 69 countries on six continents.



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Goldmedia-Report "Mobile Life 2012"

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6. Benchmark Keichu ("addiction") and Otaku ("life in a virtual world"

Mobile Life in Japan – Extension to all aspects and areas of life



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6. Benchmark Japan: the world's leading mobile music & games market!

Mobile music market in Japan 2007

- Japanese people prefer downloading music tracks directly to their mobile phones (Comparison: German users prefer to sideload music!)
- Mobile music downloads make up more than 93% of all music downloads (90% of all digital music sales!)

Single tracks

51%

Source: RIAJ 2008



Service model of LISMO! (KDDI): Crossplatform (mobile & PC), 2.50 US\$/track, downloads can be used as ringtones



Mobile games market in Japan



Summary

- Lively "Mobile Life" market in Japan: High popularity and usage of mobile downloaded music and games!
- Evident displacement of leisure activities such as listening to music, playing games, reading, etc. into the "Mobile life"
- 2G phones are not shipped anymore by 2008
- Reasons: rapid diffusion of 3G, availability of adjusted mobile devices & attractive business models – plus very low data prices!

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6. Benchmark South Korea: Success of DMB mobile TV & radio service



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6. Benchmark 3 Italia's Mobile TV started with Pay-TV+switched to Free !!



6. Benchmark – Summary Technologic & cultural factors lead to different use habits!



Digital music: online vs. mobile revenues



Results

- The Japanese use their mobile phones as a "personalised medium" with internet access. 91% of all music revenues generated by mobile (IT: 56%, DE: 31%).
- NTT DoCoMo was the world's first 3G operator in 2001! Mobile use dominates in JP due to the fast diffusion of 3G and adjusted devices! SoftBank holds exclusive right on iPhone 3G's marketing: since 2007 Soft-Bank has recorded enormous increase in customers.

Conclusions

- Spread of 3G differs! Technological progress and cultural differences determine mobile life!
- Further reason for high popularity of data services in JP: it is NOT considered polite to talk by phone in public space (in contrast to Germany or Italy)!

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7. Forecasts 3G penetration will exceed 60% in 2012 in Germany!





7. Forecasts Mobile advertising still in its infancy in Germany!





Conclusions

- New 3G technology enables delivery of richer contents such as mobile TV, video and games.
- But: there is a limit to how many additional charges, subscriptions, fees, etc. users are willing to pay!
- Sponsored or advertising-funded contents will become more and more accepted!
- In Germany ~300m Euros mobile net advertising revenue expected by 2012!



Challenges: business models and revenue share, type, length and frequency of ads, consumer attitudes

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7. Forecasts

M-entertainment revenue grow to ~750m Euros by 2012!



Results

 German mobile entertainment market will grow by ~500m Euros by 2012



Mobile net advertising will make up the largest part of revenues, followed by mobile video, games and music!

Conclusions

 By 2012: Substantial growth to ~750m Euros in m-entertainment revenue expected.

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Source: Goldmedia 2008 *Mobile Entertainment includes net mobile advertising (affiliate marketing, mobile search advertising, in-game advertising, direct marketing, display advertising), mobile videos, mobile games and mobile music

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8. Outlook & Theses





Coming soon...



Mobile phones with human qualities

Japanese could talk with their handsets soon! Phone Braver, a Softbank Mobile development, is able to communicate with its owner and react with facial expressions. In addition, arms and legs can be attached. The device possesses enough artificial intelligence to be able to have simple conversations and to learn its owner's habits

Source: www.focus.de/digital/handy/japan_aid_263164.html

Mobile phone with laser projectors and DLP-chips: Different players such as 3M, Texas Instruments or Microvision have developed compact mini projectors for high resolution screenings. The projector could be integrated or be connected to the mobile device

Source: www.computerwoche.de/nachrichtenarchiv/1851864

"Perfumed" mobiles:

The companies Isi und Convisual developed a patent-registered "perfumy mobile" which is able to receive odours via SMS. The handset could – for example – send SMS greetings for mother's day with the smell of flowers

Source: www.inside-handy.de/news/11777.html



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8. Outlook & Theses



A life without mobile handsets is no longer imaginable for under 30s!



Spread of users and target groups: People 40+ prefer linear media and use their mobile mostly for traditional services such as voice telephony. People under 20 years who have grown up with digital media, use the entire range of services and applications of mobile devices.



The demographic change will lead to a high usage of mobile phones by elder people. Devices should be adjusted for these users who will account for the majority within the next decades! To reach the today's generation 50+ there must be offered adjusted handsets & services, too.



Mobile devices are the N^o 1 tool for organising and structuring the entire interpersonal private and business communication. Their importance will increase even more.



Being "always on" and using mobile devices at any time and place will become more and more normal. Many users do not know that the switchoff button can give access to autonomy and freedom.





8. Outlook & Theses



The internet makes entertainment and information available at any time and any place! Mobile internet will make mobile phones more and more indispensable!



The way to consume music has changed radically. Nowadays everyone have access to all ever produced music.



Due to lifestyle changes (higher mobility, flexibility) mobile phones meet the demand for mobile entertainment. There is no device which is able to adjust to new usage situations and periods better than mobile phones.

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The mobile phone increasingly replace functions of other devices. It will become people`s most important constant companion. Mobile phones are the showpieces for convergence (one device incl. telephone, camera, MP3player, calender, internet access, etc).



The consumer benefits from more and more attractive data pricing: Mobile Internet becomes a mass market in Germany







Strategies for E-Merging Media..

Goldmedia GmbH

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